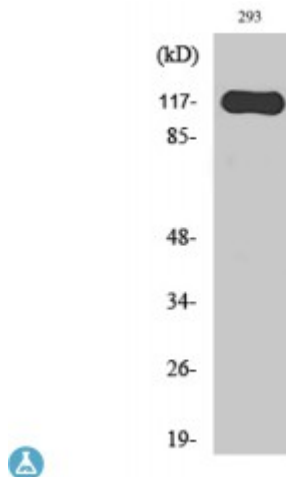


## Anti-Hairless antibody



|                           |                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Rabbit polyclonal to Hairless.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Model</b>              | STJ93463                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>         | Human                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>       | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>          | Synthesized peptide derived from human Hairless                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen Region</b>   | 10-90 aa, N-terminal                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene ID</b>            | <a href="#">55806</a>                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Symbol</b>        | <a href="#">HR</a>                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>        | Hairless Polyclonal Antibody detects endogenous levels of Hairless protein.                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b> | Strongest expression of isoforms 1 and 2 is seen in the small intestine, weaker expression in brain and colon, and trace expression is found in liver, pancreas, spleen, thymus, stomach, salivary gland, appendix and trachea. Isoform 1 is always the most abundant. Isoform 1 is exclusively expressed at low levels in kidney and testis. Isoform 2 is exclusively expressed at high levels in the skin. |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                        |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Name</b>       | Lysine-specific demethylase hairless                                                                                                                                                                                                                                                                                                                                                                         |

|                                   |                                                                                                                                                                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>           | 130 kDa                                                                                                                                                                                                                            |
| <b>Clonality</b>                  | Polyclonal                                                                                                                                                                                                                         |
| <b>Conjugation</b>                | Unconjugated                                                                                                                                                                                                                       |
| <b>Isotype</b>                    | IgG                                                                                                                                                                                                                                |
| <b>Formulation</b>                | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                            |
| <b>Concentration</b>              | 1 mg/ml                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>        | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                               |
| <b>Database Links</b>             | <a href="#">HGNC:5172OMIM:146550</a>                                                                                                                                                                                               |
| <b>Alternative Names</b>          | Lysine-specific demethylase hairless                                                                                                                                                                                               |
| <b>Function</b>                   | Histone demethylase that specifically demethylates both mono- and dimethylated 'Lys-9' of histone H3. May act as a transcription regulator controlling hair biology (via targeting of collagens), neural activity, and cell cycle. |
| <b>Sequence and Domain Family</b> | Contains two Leu-Xaa-Xaa-Leu-Leu (LXXLL) motifs. The LXXLL motifs are essential for the association with nuclear receptors . The JmjC domain and the C6-type zinc-finger are required for the demethylation activity.              |
| <b>Cellular Localization</b>      | Nucleus.                                                                                                                                                                                                                           |