

Anti-ID3 antibody



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| Description | Unconjugated Rabbit polyclonal to ID3 |
| Model | STJ192556 |
| Host | Rabbit |
| Reactivity | Human, Mouse, Rat |
| Applications | ELISA, WB |
| Immunogen | Synthesized peptide derived from human ID3 protein. |
| Immunogen Region | 68-117aa |
| Gene ID | 3399 |
| Gene Symbol | ID3 |
| Dilution range | WB 1:500-2000 ELISA 1:5000-20000 |
| Specificity | ID3 Polyclonal Antibody detects endogenous levels of protein. |
| Tissue Specificity | Expressed abundantly in lung, kidney and adrenal gland, but not in adult brain. |
| Purification | ID3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Note | For Research Use Only (RUO). |
| Protein Name | DNA-binding protein inhibitor ID-3 Class B basic helix-loop-helix protein 25 bHLHb25 Helix-loop-helix protein HEIR-1 ID-like protein inhibitor HLH 1R21 Inhibitor of DNA binding 3 Inhibitor of differentiation 3 |
| Molecular Weight | 13 kDa |

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| Clonality | Polyclonal |
| Conjugation | Unconjugated |
| Isotype | IgG |
| Formulation | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Concentration | 1 mg/ml |
| Storage Instruction | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| Database Links | HGNC:5362OMIM:600277 |
| Alternative Names | DNA-binding protein inhibitor ID-3 Class B basic helix-loop-helix protein 25 bHLHb25 Helix-loop-helix protein HEIR-1 ID-like protein inhibitor HLH 1R21 Inhibitor of DNA binding 3 Inhibitor of differentiation 3 |
| Function | Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Involved in myogenesis by inhibiting skeletal muscle and cardiac myocyte differentiation and promoting muscle precursor cells proliferation. Inhibits the binding of E2A-containing protein complexes to muscle creatine kinase E-box enhancer. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer. |
| Cellular Localization | Nucleus. |