

# Product Data Sheet

## Anti-CD231 Antibody

| Catalog #                | Source                                                                                                                                                                                                                                               | Reactivity | Applications |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| CQA3177                  | Rabbit                                                                                                                                                                                                                                               | H, R       | WB, IF/IC    |
| <b>Description</b>       | Rabbit polyclonal antibody to CD231                                                                                                                                                                                                                  |            |              |
| <b>Immunogen</b>         | Recombinant full length protein of human CD231                                                                                                                                                                                                       |            |              |
| <b>Purification</b>      | The antibody was purified by immunogen affinity chromatography.                                                                                                                                                                                      |            |              |
| <b>Specificity</b>       | Recognizes endogenous levels of CD231 protein.                                                                                                                                                                                                       |            |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                                                                                                                                           |            |              |
| <b>Conjugation</b>       |                                                                                                                                                                                                                                                      |            |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                                                                                                            |            |              |
| <b>Dilution</b>          | WB (1/500 - 1/2000), IF/IC (1/50 - 1/200)                                                                                                                                                                                                            |            |              |
| <b>Gene Symbol</b>       | TSPAN7                                                                                                                                                                                                                                               |            |              |
| <b>Alternative Names</b> | A15; DXS1692E; MXS1; TM4SF2; Tetraspanin-7; Tspan-7; Cell surface glycoprotein A15; Membrane component chromosome X surface marker 1; T-cell acute lymphoblastic leukemia-associated antigen 1; TALLA-1; Transmembrane 4 superfamily member 2; CD231 |            |              |
| <b>Entrez Gene</b>       | 7102 (Human)                                                                                                                                                                                                                                         |            |              |
| <b>SwissProt</b>         | P41732 (Human)                                                                                                                                                                                                                                       |            |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                                                                                                                     |            |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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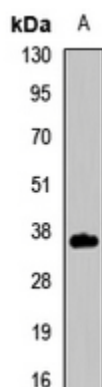
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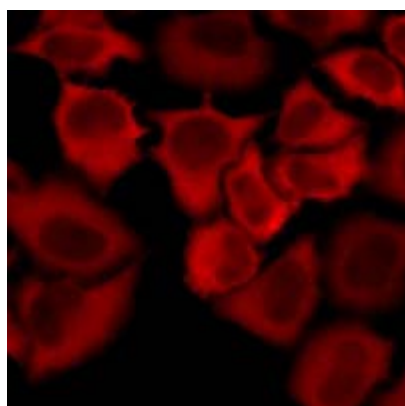
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Western blot analysis of CD231 expression in rat liver (A) whole cell lysates.



Immunofluorescent analysis of CD231 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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