

Product datasheet for **TA375317S**

Alpha Dystroglycan (DAG1) Rabbit Polyclonal Antibody

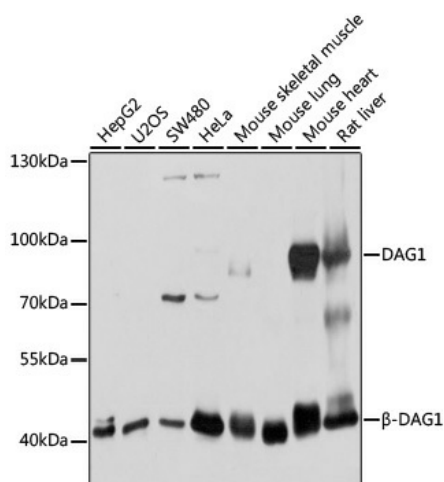
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | ICC/IF, IP, WB |
| Recommended Dilution: | WB,1:500 - 1:1000 IF,1:20 - 1:100 |
| Reactivity: | Mouse, Rat |
| Modifications: | Unmodified |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 654-749 of human DAG1 (NP_004384.4). |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 97kDa |
| Gene Name: | dystroglycan 1 |
| Database Link: | Q14118 |
| Background: | This gene encodes dystroglycan, a central component of dystrophin-glycoprotein complex that links the extracellular matrix and the cytoskeleton in the skeletal muscle. The encoded preproprotein undergoes O- and N-glycosylation, and proteolytic processing to generate alpha and beta subunits. Certain mutations in this gene are known to cause distinct forms of muscular dystrophy. Alternative splicing results in multiple transcript variants, all encoding the same protein. |
| Synonyms: | 156DAG; A3a; AGRNR; alpha-dystroglycan; beta-dystroglycan; DAG |

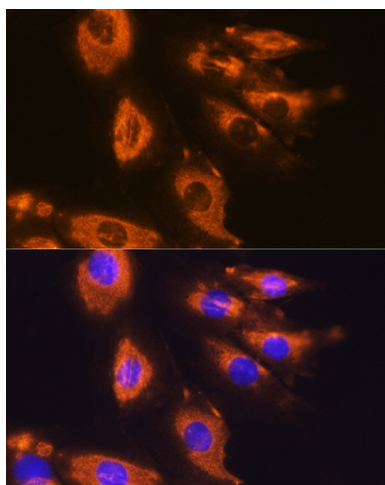


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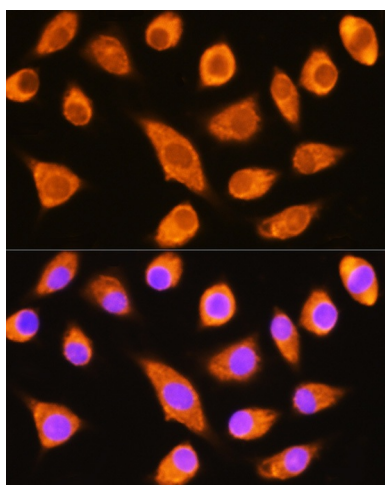
Product images:



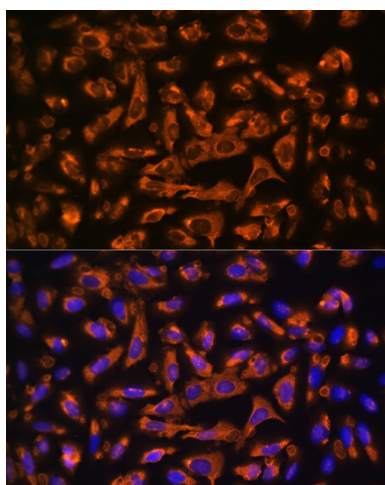
Western blot analysis of extracts of various cell lines, using DAG1 antibody ([TA375317]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 10s.



Immunofluorescence analysis of H9C2 cells using DAG1 Rabbit pAb ([TA375317]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using DAG1 Rabbit pAb ([TA375317]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using DAG1 Rabbit pAb ([TA375317]) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.