



# NAG-2 Rabbit mAb

<b>Catalog No</b>	YP-rAb-17424
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	WB
<b>Gene Name</b>	TSPAN4,NAG2,TM4SF7
<b>Protein Name</b>	Tetraspanin-4 (Tspan-4) (Novel antigen 2) (NAG-2) (Transmembrane 4 superfamily member 7)
<b>Purification Process</b>	Protein A
<b>Specificity</b>	Endogenous
<b>Formulation</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	WB 1:1000-1:5000;
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-15° C to -25° C/1 year(Do not lower than -25° C)
<b>Synonyms</b>	NAG2 TM4SF7
<b>Observed Band</b>	26kD
<b>Calculated Molecular Weight</b>	26kD
<b>Cell Pathway</b>	SUBCELLULAR LOCATION: Cell membrane {ECO:0000269 PubMed:25342562, ECO:0000269 PubMed:34439793}; Multi-pass membrane protein.
<b>Tissue Specificity</b>	TISSUE SPECIFICITY: Expressed in multiple tissues but is absent in brain, lymphoid cells, and platelets.
<b>Function</b>	Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Plays an essential role in migrasome formation and migration on retracting fibers at the rear end of migrating cells (PubMed:31371828). Migrasomes are cellular organelles that form as large vesicle-like structures on retraction fibers of migrating cells (PubMed:31371828). Mechanistically, acts as a membrane curvature sensor and participates in stabilizing the migrasome structure in a late stage of biogenesis (PubMed:36252000, PubMed:36823145). May also play a regulatory role for the histamine H4 receptor/HRH4 without affecting histamine binding to HRH4 or signaling (PubMed:34439793). {ECO:0000269 PubMed:31371828, ECO:0000269 PubMed:34439793, ECO:0000269 PubMed:36252000, ECO:0000269 PubMed:36823145}.

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### Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein and is similar in sequence to its family member CD53 antigen. It is known to complex with integrins and other transmembrane 4 superfamily proteins. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

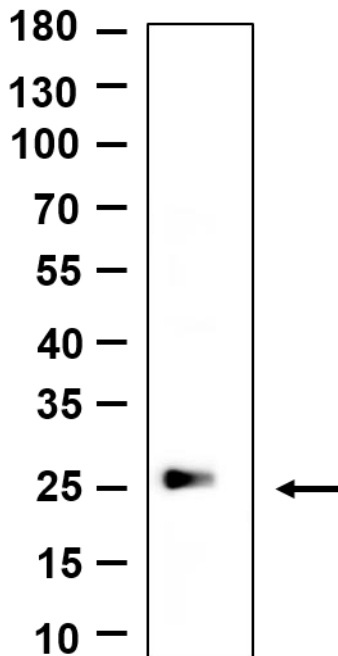
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

kDa



Western blot analysis of lysates from HepG2 cell, primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibody was diluted at 1:10000, 37° 1hour.

