

## NAG-2 (PT1102R) PT<sup>®</sup> Rabbit mAb

CatalogNo: YM8924 **Recombinant** 

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**Applications**

- WB

**MW**

- 26kDa (Calculated)
- 26kDa (Observed)

**Isotype**

- IgG, Kappa

### Recommended Dilution Ratios

**WB 1:1000-1:5000**

### Storage

**Storage\***

-15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation**

PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

### Basic Information

**Clonality**

Monoclonal

**Clone Number**

PT1102R

### Immunogen Information

**Specificity**

Endogenous

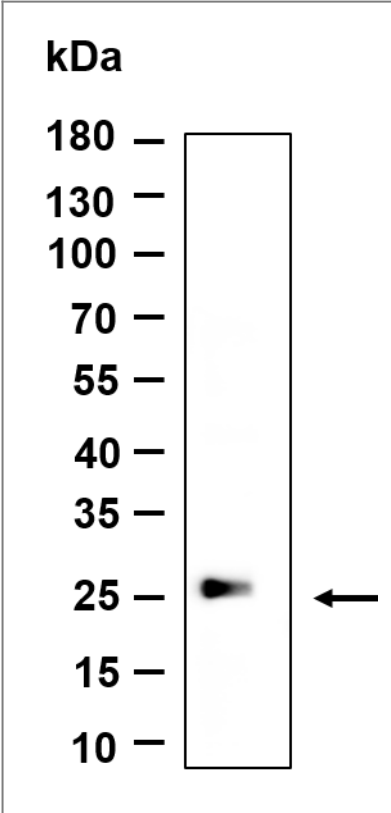
### Target Information

**Gene name**

TSPAN4,NAG2,TM4SF7

<b>Protein Name</b>	Tetraspanin-4 (Tspan-4) (Novel antigen 2) (NAG-2) (Transmembrane 4 superfamily member 7)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">7106;</a>	<a href="#">O14817;</a>
	Mouse	<a href="#">64540;</a>	<a href="#">Q9DCK3;</a>
<b>Cellular Localization</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>	FUNCTION: 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}.		

Validation Data



Western blot analysis of lysates from HepG2 cell, primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibody(Immunoway:RS23920)was diluted at 1:10000, 37° 1hour.

## | Contact information

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**NAG-2 (PT1102R)**  
**PT® Rabbit mAb**

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