

PSMD10/Gankyrin Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|-----------------|-------------|-----------------|
| W | H M R Mk | Endogenous | 25 | Rabbit | #O75832 | 5716 |

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

PSMD10/Gankyrin Antibody recognizes endogenous levels of total PSMD10/Gankyrin protein.

Species predicted to react based on 100% sequence homology

Dog, Pig

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human PSMD10/Gankyrin protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

PSMD10/Gankyrin is an ankyrin-repeat chaperone protein that is involved in the assembly of the 19S regulatory particle of the proteasome (1). Research studies have demonstrated that PSMD10 is oncogenic and is overexpressed in hepatocellular carcinomas (2). Investigators believe the oncogenicity of PSMD10 may be linked to its ability to bind and regulate the stability and activity of pRB, CDK4, MDM2, and RelA (2-5).

Background References

- Xie, Y. (2010) *J Mol Cell Biol* 2, 308-17.
- Higashitsuji, H. et al. (2000) *Nat Med* 6, 96-9.
- Dawson, S. et al. (2002) *J Biol Chem* 277, 10893-902.
- Higashitsuji, H. et al. (2005) *Cancer Cell* 8, 75-87.
- Higashitsuji, H. et al. (2007) *Biochem Biophys Res Commun* 363, 879-84.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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