

Reck antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14370**Specification**

Reck antibody - middle region - Product Information

Application	WB
Primary Accession	O9Z0J1
Other Accession	NM_016678 , NP_057887
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104kDa KDa

Reck antibody - middle region - Additional Information**Gene ID** 53614**Alias Symbol** MGC169689, St15, mRECK**Other Names**

Reversion-inducing cysteine-rich protein with Kazal motifs, mRECK, Reck

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Reck antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Reck antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Reck antibody - middle region - Protein Information**Name** Reck {ECO:0000303|PubMed:9789069, ECO:0000312|MGI:MGI:1855698}**Function**

Functions together with ADGRA2 to enable brain endothelial cells to selectively respond to Wnt7 signals (WNT7A or WNT7B) (PubMed:28803732). Plays a key role in Wnt7-specific responses: required for central nervous system (CNS) angiogenesis and blood-brain barrier regulation (PubMed:26658478, PubMed:28803732). Acts as a Wnt7- specific coactivator of canonical Wnt signaling by decoding Wnt ligands: acts by interacting

specifically with the disordered linker region of Wnt7, thereby conferring ligand selectivity for Wnt7 (By similarity). ADGRA2 is then required to deliver RECK-bound Wnt7 to frizzled by assembling a higher-order RECK-ADGRA2-Fzd-LRP5-LRP6 complex (By similarity). Also acts as a serine protease inhibitor: negatively regulates matrix metalloproteinase-9 (MMP9) by suppressing MMP9 secretion and by direct inhibition of its enzymatic activity (PubMed:11747814). Also inhibits metalloproteinase activity of MMP2 and MMP14 (MT1-MMP) (PubMed:11747814).

Cellular Location

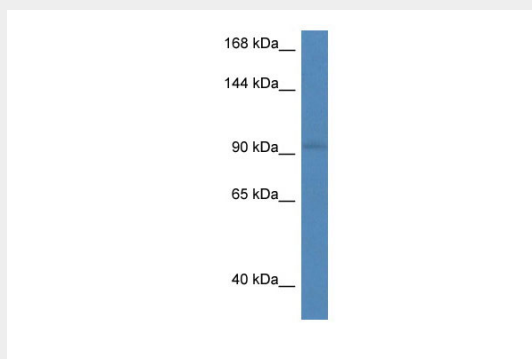
Cell membrane; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:O95980}

Reck antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Reck antibody - middle region - Images



WB Suggested Anti-Reck Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Spleen

Reck antibody - middle region - References

Takahashi C., et al. Proc. Natl. Acad. Sci. U.S.A. 95:13221-13226(1998).
Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009).