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PRICKLE4 Antibody
Catalog # ASC11401

Specification

PRICKLE4 Antibody - Product Information

Application	**WB, ICC, IF**
Primary Accession	Q2TBC4
Other Accession	NP_037529, 118722347
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**PRICKLE4 antibody can be used for detection of PRICKLE4 by Western blot at 0.25 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. For immunofluorescence start at 5 µg/mL.**

PRICKLE4 Antibody - Additional Information

Gene ID **29964**

Target/Specificity
PRICKLE4; Two isoforms of PRICKLE4 are known to exist. PRICKLE4 antibody is predicted to not cross-react with other PRICKLE protein family members.

Reconstitution & Storage
PRICKLE4 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
PRICKLE4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRICKLE4 Antibody - Protein Information

Name PRICKLE4

Synonyms C6orf49, OEBT

Tissue Location
Expressed in a broad range of normal tissues as well as in hepatocellular carcinoma, breast cancer and prostate cancer tissues.

PRICKLE4 Antibody - Protocols

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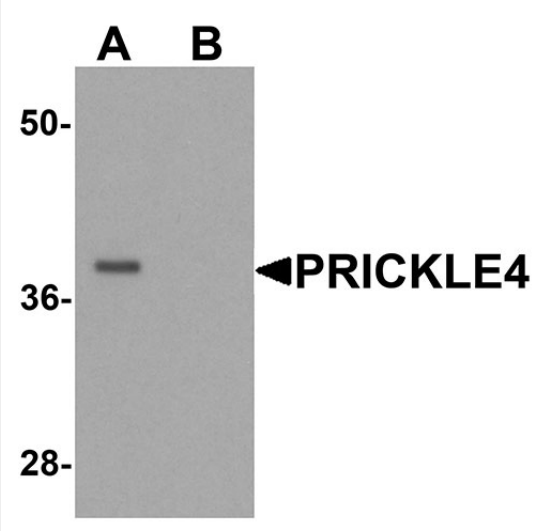
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PRICKLE4 Antibody - Images



Western blot analysis of PRICKLE4 in A549 cell lysate with PRICKLE4 antibody at 0.25 µg/ml in the (A) absence and (B) presence of blocking peptide.

Immunocytochemistry of PRICKLE4 in A549 cells with PRICKLE4 antibody at 5 µg/mL.

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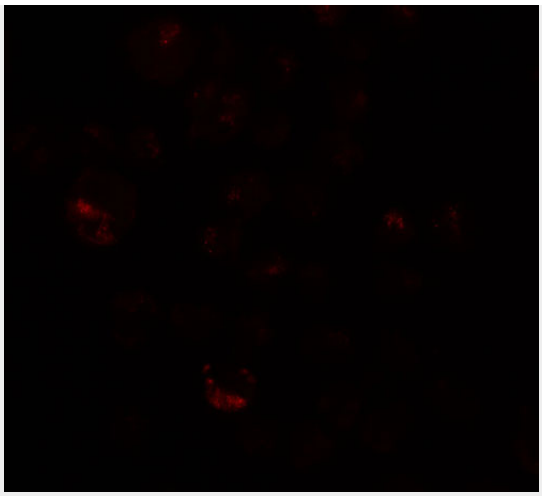

Immunofluorescence of PRICKL4 in A549 cells with PRICKLE4 antibody at 20 µg/mL.

PRICKLE4 Antibody - Background

PRICKLE4 Antibody: PRICKLE4, also known as over-expressed breast tumor protein (OBTP), is a member of the LIM family of proteins. It possesses two LIM domains as well as a PET domain and is thought to localize to the nucleus. Its expression in multiple malignant tissue differentiations indicate that it may play a role in cancer differentiation. Two other members of the LIM family, PRICKLE1 and PRICKLE2, are thought to function in the noncanonical WNT signaling pathway which regulates intracellular calcium release and planar cell polarity, suggesting the PRICKLE4 may play a similar role.

PRICKLE4 Antibody - References

Teufel A, Weinmann A, Galle PR, et al. Characterization of OEBT, a LIM protein. Int. J. Mol. Med. 2005; 15:513-8.
Katoh M and Katoh M. Identification and characterization of human PRICKLE1 and PRICKLE2 genes as well as mouse Prickle1 and Prickle2 genes homologous to Drosophila tissue polarity gene prickle. Int. J. Mol. Med. 2003; 11:249-56
Veeman MT, Slusarski DC, Kaykas A, et al. Zebrafish prickle, a modulator of noncanonical Wnt/Fz signaling, regulates gastrulation movements. Curr. Biol. 2003; 13:680-5