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FAM212A Antibody
Catalog # ASC11035

Specification

FAM212A Antibody - Product Information

Application	**WB, E**
Primary Accession	Q96EL1
Other Accession	NP_976248, 42766424
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 32 kDa** **Observed: 33 kDa KDa**
Application Notes	**FAM212A antibody can be used for detection of FAM212A by Western blot at 1 - 2 µg/ml.**

FAM212A Antibody - Additional Information

Gene ID **389119**

Target/Specificity
FAM212A; FAM212A antibody is human and mouse . At least two isoforms of FAM212A are known to exist; this antibody will recognize both isoforms.

Reconstitution & Storage
FAM212A antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
FAM212A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FAM212A Antibody - Protein Information

Name INKA1 (HGNC:32480)

Function
Inhibitor of the serine/threonine-protein kinase PAK4 (PubMed:26607847). Acts by binding PAK4 in a substrate-like manner, inhibiting the protein kinase activity (PubMed:26607847).

Cellular Location
Nucleus. Cytoplasm. Note=Mainly nuclear (PubMed:26607847) Relocalizes to the cytoplasm following interaction with PAK4 (PubMed:26607847).

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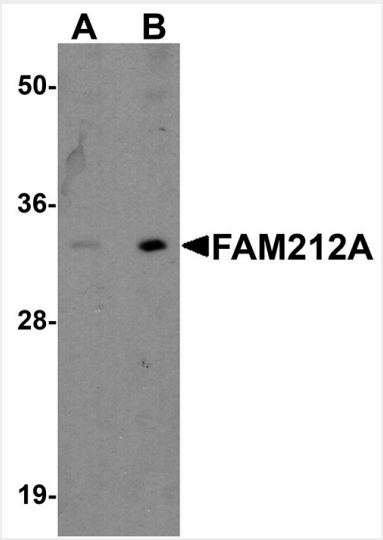
FAM212A Antibody - Protocols

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

FAM212A Antibody - Images



Western blot analysis of FAM212A in EL4 cell lysate with FAM212A antibody at (A) 1 and (B) 2 µg/ml.

FAM212A Antibody - Background

FAM212A, initially identified as INCA (induced in neural crest by AP-2alpha) in xenopus, is expressed primarily in neural crest cells and their derivatives (1). FAM212A can associate with the P21-kinase protein PAK4 and this association modulates cytoskeletal dynamics (1). In mammals, FAM212A is thought to play a role in neural tube closure; a significant fraction of FAM212A-null mice exhibited exencephaly (2).

FAM212A Antibody - References

Luo T, Xu Y, Hoffman TL, et al. Inca: a novel p21-activated kinase-associated protein required for cranial neural crest development. Dev. 2007; 134:1279-89.
Reid BS, Sargent TD, and Willams T. Generation and characterization of a novel neural crest marker allele, Inka1-LacZ, reveals a role for Inka1 in mouse neural tube closure. Dev. Dyn. 2010; 239:1188-96.