

FAM212A Antibody
Catalog # ASC11035**Specification**

FAM212A Antibody - Product Information

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

FAM212A Antibody - Additional InformationGene 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°C for three months and -20°C, 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 InformationName 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

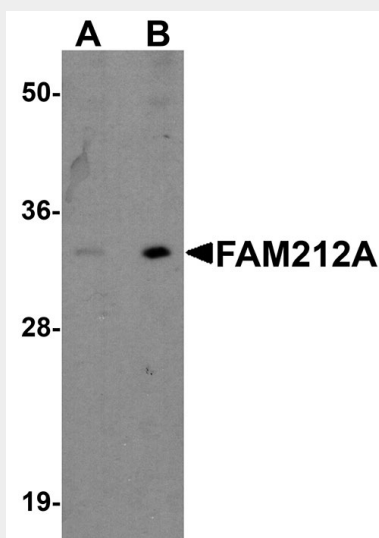
Nucleus. Cytoplasm. Note=Mainly nuclear (PubMed:26607847) Relocalizes to the cytoplasm following interaction with PAK4 (PubMed:26607847).

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 Cytometry](#)
- [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 Williams 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.