

FAM212A Antibody

Catalog # ASC11035

Product Information

Application	WB, E
Primary Accession	Q96EL1
Other Accession	NP_976248 , 42766424
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	31574
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FAM212A antibody can be used for detection of FAM212A by Western blot at 1 - 2 µg/ml.

Additional Information

Gene ID	389119
Other Names	Protein FAM212A, FAM212A, C3orf54
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.

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).

Background

FAM212A, initially identified as INCA (induced in neural crest by AP-2alpha) in xenopus, is expressed

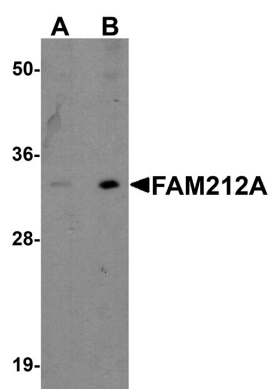
primarily in neural crest cells and their derivatives (1). FAM212A can associate with the P21-kinase protein PAK4 and this association modulates cytoskeletal dynamics (1). In mammals, FAM212A is thought to play a role in neural tube closure; a significant fraction of FAM212A-null mice exhibited exencephaly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

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.