

KIAA0692 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13753**Specification**

KIAA0692 antibody - middle region - Product Information

Application	WB
Primary Accession	Q86XL3
Other Accession	NM_015114 , NP_055929
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104kDa KDa

KIAA0692 antibody - middle region - Additional Information**Gene ID** 23141**Alias Symbol** **FLJ22280, FLJ36132, LEMD7, KIAA0692****Other Names**

Ankyrin repeat and LEM domain-containing protein 2, LEM domain-containing protein 4, ANKLE2, KIAA0692, LEM4

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-KIAA0692 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

KIAA0692 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA0692 antibody - middle region - Protein Information**Name** ANKLE2**Synonyms** KIAA0692, LEM4**Function**

Involved in mitotic nuclear envelope reassembly by promoting dephosphorylation of BAF/BANF1 during mitotic exit (PubMed:22770216). Coordinates the control of BAF/BANF1 dephosphorylation by inhibiting VRK1 kinase and promoting dephosphorylation of BAF/BANF1 by protein phosphatase 2A (PP2A), thereby facilitating nuclear envelope assembly (PubMed:22770216). May regulate

nuclear localization of VRK1 in non- dividing cells (PubMed:31735666). It is unclear whether it acts as a real PP2A regulatory subunit or whether it is involved in recruitment of the PP2A complex (PubMed:22770216). Involved in brain development (PubMed:25259927).

Cellular Location

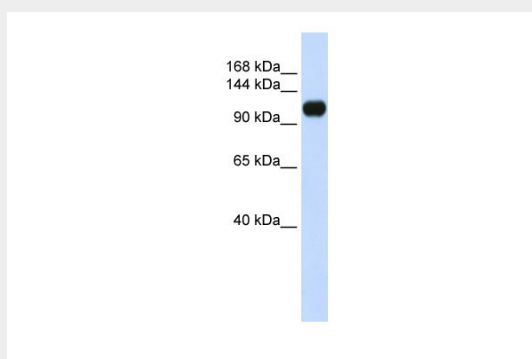
Endoplasmic reticulum membrane; Single-pass type III membrane protein

KIAA0692 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](#)

KIAA0692 antibody - middle region - Images



WB Suggested Anti-KIAA0692 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: 293T cell lysate

There is BioGPS gene expression data showing that ANKLE2 is expressed in HEK293T

KIAA0692 antibody - middle region - References

- Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.E.,et al.Nature 440:346-351(2006).
Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).