

KIAA0692 / ANKLE2 Antibody (Internal)
Chicken Polyclonal Antibody
Catalog # ALS16618**Specification**

KIAA0692 / ANKLE2 Antibody (Internal) - Product Information

Application	IHC, WB
Primary Accession	Q86XL3
Other Accession	23141
Reactivity	Human, Mouse, Rat
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	104114

KIAA0692 / ANKLE2 Antibody (Internal) - Additional Information**Gene ID** 23141**Other Names**

ANKLE2, KIAA0692, LEMD7, LEM domain containing 7, Lem4

Target/Specificity

Human ANKLE2 / KIAA0692. Three isoforms of ANKLE2 are known to exist; this antibody will detect all three. ANKLE2 antibody is predicted to not cross-react with ANKLE2.

Reconstitution & Storage

PBS, 0.02% sodium azide. Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

KIAA0692 / ANKLE2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA0692 / ANKLE2 Antibody (Internal) - 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:22770216).

<http://www.uniprot.org/citations/31735666> target="_blank">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

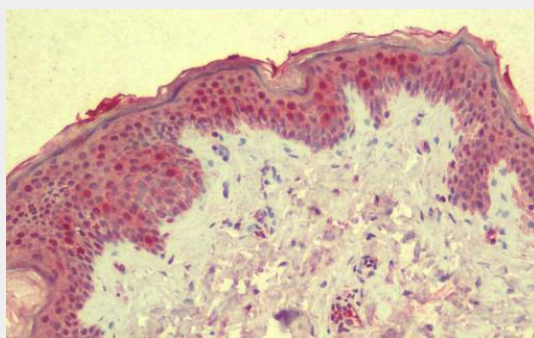
Endoplasmic reticulum membrane; Single-pass type III membrane protein

KIAA0692 / ANKLE2 Antibody (Internal) - Protocols

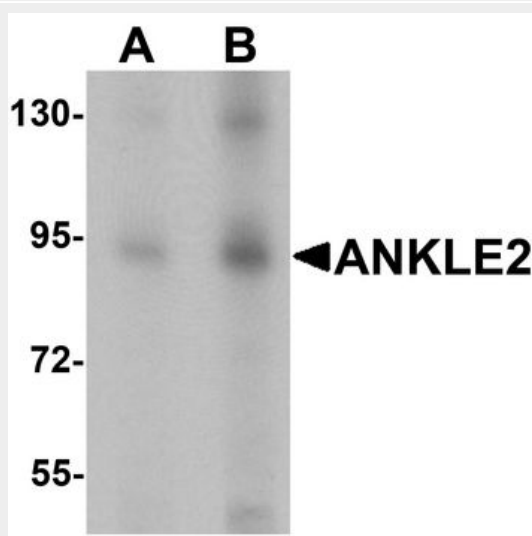
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KIAA0692 / ANKLE2 Antibody (Internal) - Images



Anti-KIAA0692 / ANKLE2 antibody IHC staining of human skin.



Western blot analysis of ANKLE2 in SW480 cell lysate with ANKLE2 antibody at (A) 1 and (B) 2 ug/ml.

KIAA0692 / ANKLE2 Antibody (Internal) - Background

Involved in mitotic nuclear envelope reassembly by promoting dephosphorylation of BAF/BANF1 during mitotic exit. 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. It is unclear whether it acts as a real PP2A regulatory subunit or whether it is involved in recruitment of the PP2A complex.

KIAA0692 / ANKLE2 Antibody (Internal) - 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).