

EDA / ED1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS17120**Specification**

EDA / ED1 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O92838
Other Accession	1896
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41294

EDA / ED1 Antibody (Internal) - Additional Information**Gene ID** 1896**Other Names**

EDA, ECTD1, Ectodermal dysplasia protein, Ectodysplasin-A, ED1, ED1-A1, Ectodysplasin A, EDA protein, EDA1, EDA2, Hed, HED1, ODT1, STHAGX1, XHED, XLHED, ED1-A2, Oligodontia 1

Target/Specificity

EDA1 antibody is human, mouse and rat reactive. Multiple isoforms of EDA1 are known to exist.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

EDA / ED1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

EDA / ED1 Antibody (Internal) - Protein Information**Name** EDA**Synonyms** ED1, EDA2**Function**

Cytokine which is involved in epithelial-mesenchymal signaling during morphogenesis of ectodermal organs. Functions as a ligand activating the DEATH-domain containing receptors EDAR and EDA2R (PubMed: 8696334, PubMed: 11039935, PubMed: 27144394, PubMed: 34582123). May also play a role in cell adhesion (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:O54693}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O54693}

Tissue Location

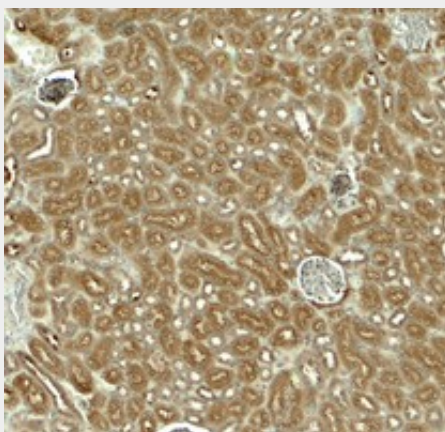
Not abundant; expressed in specific cell types of ectodermal (but not mesodermal) origin of keratinocytes, hair follicles, sweat glands. Also in adult heart, liver, muscle, pancreas, prostate, fetal liver, uterus, small intestine and umbilical chord {ECO:0000269|Ref.6}

EDA / ED1 Antibody (Internal) - Protocols

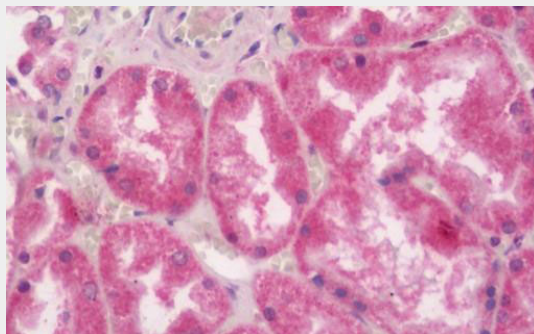
Provided below are standard protocols that you may find useful for product applications.

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

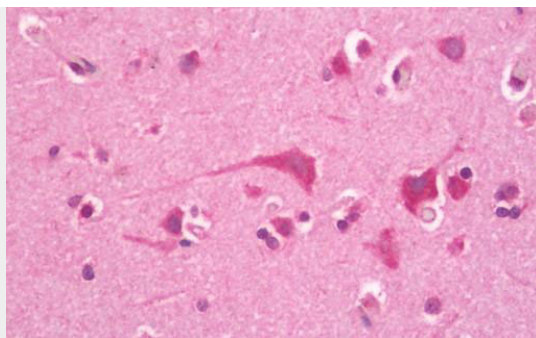
EDA / ED1 Antibody (Internal) - Images



Immunohistochemistry of EDA1 in mouse kidney tissue with EDA1 antibody at 5 ug/ml.



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)

EDA / ED1 Antibody (Internal) - Background

Seems to be involved in epithelial-mesenchymal signaling during morphogenesis of ectodermal organs. Isoform 1 binds only to the receptor EDAR, while isoform 3 binds exclusively to the receptor XEDAR.

EDA / ED1 Antibody (Internal) - References

- Kere J.,et al.Nat. Genet. 13:409-416(1996).
Monreal A.W.,et al.Am. J. Hum. Genet. 63:380-389(1998).
Bayes M.,et al.Hum. Mol. Genet. 7:1661-1669(1998).
Ross M.T.,et al.Nature 434:325-337(2005).
Kobielak K.,et al.Eur. J. Hum. Genet. Suppl. 7:104-104(1999).