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EDA2R Rabbit pAb

Catalog # AP97247

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9HAV5
Other Accession	Q9HAV5
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32759
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EDA2R/TNFRSF27
Epitope Specificity	51-150/297
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 TNFR-Cys repeats.
SUBUNIT	Associates with TRAF1, TRAF3 and TRAF6.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The tumor necrosis factor receptor (TNFR) superfamily represents a growing family of type I transmembrane glycoproteins that are involved in various cellular functions, including proliferation, differentiation and programmed cell death (1–3). These proteins share homology for cysteine-rich repeats in the extracellular ligand binding domain and an intracellular death domain (1–3). Members of the TNFR superfamily transmit signals through protein-protein interactions, and these signals can lead to the activation of either the caspase and Jun kinase pathways, which promote cell death, or the NFkB pathway, which results in cell survival (1). The ectodermal dysplasia receptor (EDAR) promotes all three of these pathways and mediates ectodermal differentiation (4). EDAR is encoded by the downless gene and is mutated in ectodermal dysplasia syndromes, which are characterized by impaired hair, teeth and sweat gland development (5). Ectodysplasin A (EDA) is a type II membrane protein that is encoded by the Tabby gene and produces many splice variants, the longest of which, EDA-A1, serves as the ligand for EDAR (5–7). EDA-A2, which differs from EDA-A1 by the deletion of two amino acids, binds only the X-linked ectodysplasin-A2 receptor (XEDAR) (7). Both EDAR and XEDAR exhibit homology with TROY (8).

Additional Information

Gene ID	60401
Other Names	EDA-A2R; EDAA2R; TNFRSF27; XEDAR; 9430060M22Rik; RGD1564025; TNR27_HUMAN; EDA2R; X-linked ectodysplasin-A2 receptor (EDA-A2 receptor);

	TNR27_MOUSE; ectodysplasin A2 receptor; X-linked EDA receptor
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EDA2R
Synonyms	TNFRSF27, XEDAR
Function	Receptor for EDA isoform A2, but not for EDA isoform A1. Mediates the activation of the NF-kappa-B and JNK pathways. Activation seems to be mediated by binding to TRAF3 and TRAF6.
Cellular Location	Membrane; Single-pass type III membrane protein.

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