

ENTPD1 Polyclonal Antibody

Catalog number: 14211-1-AP

Size: 25 µg/150 µl

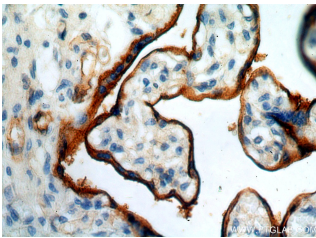
Source: Rabbit

Isotype: IgG

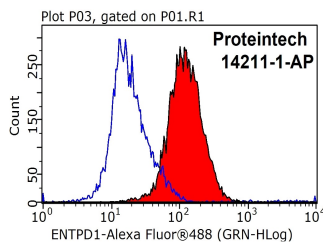
Synonyms:

ENTPD1; ATPDase, CD39,
DKFZp686D194, DKFZp686I093,

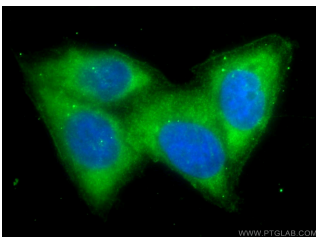
Ecto apyrase, Ecto ATP
diphosphohydrolase 1, Ecto
ATPase 1, Ecto ATPDase 1,
ENTPD1, FLJ40921, FLJ40959,
NTPDase 1



Immunohistochemical of paraffin-embedded human placenta using 14211-1-AP (ENTPD1 antibody) at dilution of 1:50 (under 40x lens)



1X10⁶ Jurkat cells were stained with 0.5µg ENTPD1 antibody (14211-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunofluorescent analysis of HeLa cells using 14211-1-AP (ENTPD1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

ENTPD1(Ectonucleoside triphosphate diphosphohydrolase 1) is also named as CD39, NTPDase 1, Ecto-ATPDase 1 and belongs to the GDA1/CD39 NTPase family. In the nervous system, it can hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. It is a noncovalent tetrameric protein and that detergent inhibition of enzymatic activity is caused by dissociation of ectoapyrase tetramers into monomers(PMID: 9733785). And it is a 70- to 100-kDa protein that is heavily N-glycosylated(PMID:7930580). This protein has 6 glycosylation sites and 3 isoforms(58 kDa, 59 kDa and 34 kDa) produced by alternative splicing.

Applications

Tested applications:	ELISA, IHC, WB, FC, IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated ENTPD1 MW:	58 kDa
Observed ENTPD1 MW:	50 kDa
Positive WB detected in	Mouse placenta tissue
Positive IHC detected in	Human placenta tissue, human liver tissue, human tonsil tissue, human tonsillitis tissue
Positive IF detected in	HeLa cells
Positive FC detected in	Jurkat cells
Recommended dilution:	WB: 1:200-1:1000
	IHC: 1:20-1:200
	IF: 1:20-1:200
	FC: N/A

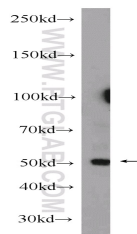
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5429
GenBank accession number:	BC047664
Gene ID (NCBI):	953
Full name:	Ectonucleoside triphosphate diphosphohydrolase 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



mouse placenta tissue were
subjected to SDS PAGE
followed by western blot with
14211-1-AP(ENTPD1
Antibody) at dilution of 1:300