

anti- USP15 antibody

Product Information

Catalog No.:	FNab09311
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Hydrolase that removes conjugated ubiquitin from target proteins and regulates various pathways such as the TGF-beta receptor signaling and NF-kappa-B pathways. Acts as a key regulator of TGF-beta receptor signaling pathway, but the precise mechanism is still unclear: according to a report, acts by promoting deubiquitination of monoubiquitinated R-SMADs(SMAD1, SMAD2 and/or SMAD3), thereby alleviating inhibition of R-SMADs and promoting activation of TGF-beta target genes(PubMed:21947082). According to another reports, regulates the TGF-beta receptor signaling pathway by mediating deubiquitination and stabilization of TGFBR1, leading to an enhanced TGF-beta signal(PubMed:22344298). Able to mediate deubiquitination of monoubiquitinated substrates as well as 'Lys-48'-linked polyubiquitin chains, protecting them against proteasomal degradation. May also regulate gene expression and/or DNA repair through the deubiquitination of histone H2B(PubMed:24526689). Acts as an associated component of COP9 signalosome complex(CSN) and regulates different pathways via this association: regulates NF-kappa-B by mediating deubiquitination of NFKBIA and deubiquitinates substrates bound to VCP. Protects APC and human papillomavirus type 16 protein E6 against degradation via the ubiquitin proteasome pathway.

Immunogen information

Immunogen: ubiquitin specific peptidase 15

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Synonyms: Deubiquitinating enzyme 15, KIAA0529, Ubiquitin thiolesterase 15, Unph 2, UNPH4, USP15
Observed MW: 112 kDa
Uniprot ID : Q9Y4E8

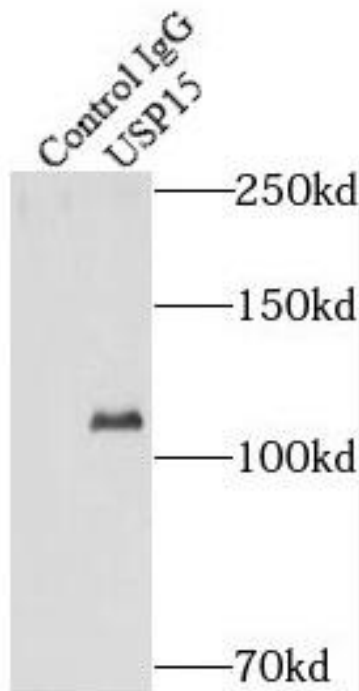
Application

Reactivity: Human, Mouse, Rat

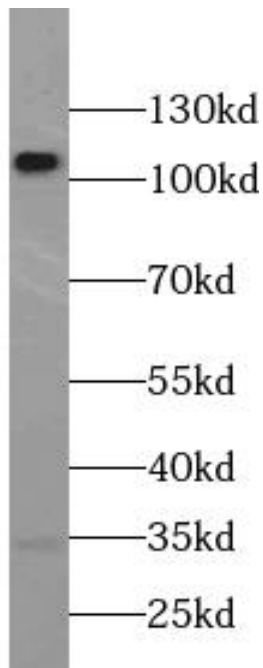
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:5000; IP: 1:500-1:5000; IHC: 1:50-1:500

Image:



IP Result of anti-USP15 (IP:FNab09311, 4ug;
Detection:FNab09311 1:1000) with mouse brain
tissue lysate 4000ug.



mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab09311(USP15 Antibody) at dilution of 1:1000