

anti- UBQLN2 antibody

Product Information

Catalog No.:	FNab09205
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

Plays an important role in the regulation of different protein degradation mechanisms and pathways including ubiquitin-proteasome system(UPS), autophagy and the endoplasmic reticulum-associated protein degradation(ERAD) pathway. Mediates the proteasomal targeting of misfolded or accumulated proteins for degradation by binding(via UBA domain) to their polyubiquitin chains and by interacting(via ubiquitin-like domain) with the subunits of the proteasome(PubMed:10983987). Plays a role in the ERAD pathway via its interaction with ER-localized proteins FAF2/UBXD8 and HERPUD1 and may form a link between the polyubiquitinated ERAD substrates and the proteasome(PubMed:24215460, PubMed:18307982). Involved in the regulation of macroautophagy and autophagosome formation; required for maturation of autophagy-related protein LC3 from the cytosolic form LC3-I to the membrane-bound form LC3-II and may assist in the maturation of autophagosomes to autolysosomes by mediating autophagosome-lysosome fusion(PubMed:19148225, PubMed:20529957). Negatively regulates the endocytosis of GPCR receptors: AVPR2 and ADRB2, by specifically reducing the rate at which receptor-arrestin complexes concentrate in clathrin-coated pits(CCPs)(PubMed:18199683).

Immunogen information

Immunogen: ubiquilin 2

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Synonyms: CHAP1, CHAP1/DSK2, Dsk2, DSK2 homolog, hPLIC 2, HRIHFB2157, LIC 2, N4BP4, PLIC 2, PLIC2, RIHFB2157, ubiquilin 2, Ubiquilin-2, UBQLN2

Observed MW: 70 kDa

UniprotID : Q9UHD9

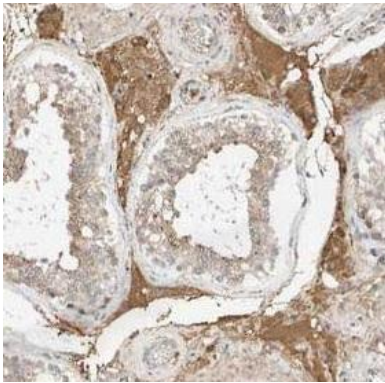
Application

Reactivity: Human, Rat

Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



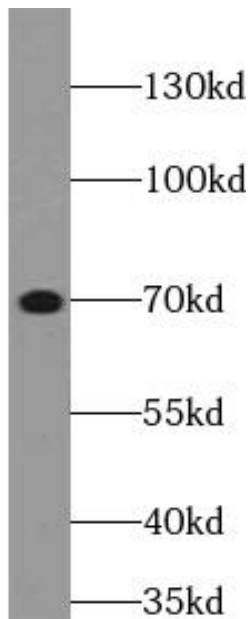
Immunohistochemistry of paraffin-embedded human testis slide using FNab09205(UBQLN2 Antibody) at dilution of 1:50

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rat brain tissue were subjected to SDS PAGE followed by western blot with FNab09205(UBQLN2 antibody) at dilution of 1:800