

Immunotag™ UFD2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4818
Product Description	Immunotag™ UFD2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	UFD2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from the Internal region of human UFD2.
Specificity	UFD2 Polyclonal Antibody detects endogenous levels of UFD2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	UBE4B
Accession No.	O95155 Q9ES00
Alternate Names	UBE4B; HDNB1; KIAA0684; UFD2; Ubiquitin conjugation factor E4 B; Homozygously deleted in neuroblastoma 1; Ubiquitin fusion degradation protein 2

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Description	ubiquitination factor E4B(UBE4B) Homo sapiens The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes an additional conjugation factor, E4, which is involved in multiubiquitin chain assembly. This gene is also the strongest candidate in the neuroblastoma tumor suppressor genes. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Ubiquitin mediated proteolysis,
Protein Expression	Brain,Cerebellum,Epithelium,Substantia nigra,
Subcellular Localization	ubiquitin ligase complex,nucleus,cytoplasm,
Protein Function	function:Binds to the ubiquitin moieties of preformed conjugates and catalyzes ubiquitin chain assembly in conjunction with E1, E2, and E3.,PTM:Proteolytically cleaved by caspases during apoptosis. Cleaved efficiently at Asp-123 by caspase-6 and granzyme B. Cleaved with approximately 10-fold less efficiency at Asp-109 by caspase-3 and caspase-7.,similarity:Belongs to the ubiquitin conjugation factor E4 family.,similarity:Contains 1 U-box domain.,subunit:Interacts with VCP.,tissue specificity:Highest expression in ovary, testis, heart and skeletal muscle. Expression is low in colon, thymus and peripheral blood leukocytes. Almost undetectable in lung and spleen.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.