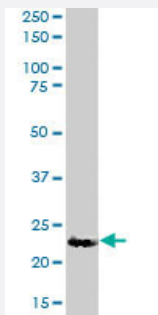


UBE2K polyclonal antibody

Catalog # PAB6301

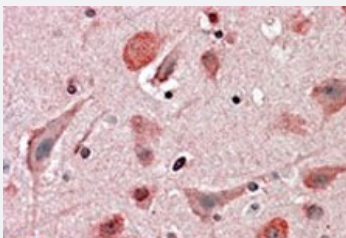
Size 100 ug

Applications



Western Blot (Cell lysate)

UBE2K polyclonal antibody (Cat # PAB6301) staining (1.5 ug/mL) of Jurkat lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

UBE2K polyclonal antibody (Cat # PAB6301)(3.8 ug/mL) staining of paraffin embedded human cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of UBE2K.
Immunogen	A synthetic peptide corresponding to C-terminus of human UBE2K.
Sequence	C-SWDVETATELLSN
Host	Goat
Theoretical MW (kDa)	22.4
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:2000) Western Blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — UBE2K

Entrez GeneID	3093
Protein Accession#	NP_005330.1 ; NP_001104582.1 ; NP_001104583.1
Gene Name	UBE2K
Gene Alias	DKFZp564C1216, DKFZp686J24237, E2-25K, HIP2, HYPG, LIG
Gene Description	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)
Omim ID	602846
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene belongs to the ubiquitin-conjugating enzyme family. This protein interacts with RING finger proteins, and it can ubiquitinate huntingtin, the gene product for Huntington's disease. Known functions for this protein include a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases, a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

huntingtin interacting protein 2|ubiquitin carrier protein|ubiquitin-conjugating enzyme E2-25 KDA|ubiquitin-conjugating enzyme E2-25K|ubiquitin-protein ligase

Publication Reference

- [Huntingtin is ubiquitinated and interacts with a specific ubiquitin-conjugating enzyme.](#)

Kalchman MA, Graham RK, Xia G, Koide HB, Hodgson JG, Graham KC, Goldberg YP, Gietz RD, Pickart CM, Hayden MR.
The Journal of Biological Chemistry 1996 Aug; 271(32):19385.

Application: IP, WB-Ti, WB-Tr, Human, Rat, Brains, Kidneys, Livers, Lungs, Hearts, HEK 293 cells, Skeletal muscles, Spleens, Testes

Pathway

- [Ubiquitin mediated proteolysis](#)