

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human UBE2K/E2-25K in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 701316
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human UBE2K/E2-25K Ala2-Asn200 Accession # P61086
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

UBE2K (Ubiquitin-conjugating enzyme E2; also E2-25K, HIP-2, UBE2K-25K and LIG) is a 24-26 kDa cytosolic member of the UBE family of proteins. It is widely expressed (in neurons, monocytes and neutrophils), and acts to ubiquitinate proteins targeted for degradation. UBE2K serves as an E2 ubiquitin conjugating enzyme with a preference for ubiquitin chain generation through Lys48. It appears to polyubiquitinate targets once they have been monoubiquitinated, and to act as either a monomer or dimer. Human UBE2K is 200 amino acids (aa) in length. It contains one UBA domain (aa 160-200). There are two potential splice variants that show a deletion of aa 22-72 and 134-176, respectively. Human and mouse UBE2K are identical in aa sequence.

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