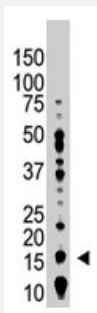


UBE2B polyclonal antibody

Catalog # PAB1776

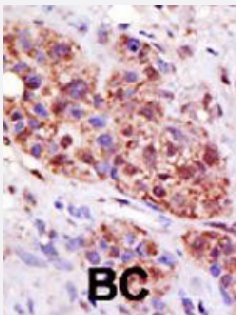
Size 400 uL

Applications



Western Blot (Cell lysate)

The UBE2B polyclonal antibody (Cat # PAB1776) is used in Western blot to detect UBE2B in A-375 cell lysate.



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with UBE2B polyclonal antibody (Cat # PAB1776), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of UBE2B.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human UBE2B.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

- Western Blot (Cell lysate)

The UBE2B polyclonal antibody (Cat # PAB1776) is used in Western blot to detect UBE2B in A-375 cell lysate.

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Gene Info — UBE2B

Entrez GeneID	7320
Gene Name	UBE2B
Gene Alias	E2-17kDa, HHR6B, HR6B, RAD6B, UBC2
Gene Description	ubiquitin-conjugating enzyme E2B (RAD6 homolog)
Omim ID	179095
Gene Ontology	Hyperlink
Gene Summary	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 a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for post-replicative DNA damage repair. Its protein sequence is 100% identical to the mouse, rat, and rabbit homologs, which indicates that this enzyme is highly conserved in eukaryotic evolution. [provided by RefSeq]
Other Designations	E2 protein ubiquitin carrier protein B ubiquitin-conjugating enzyme E2B ubiquitin-protein ligase B

Publication Reference

- [Localization of two human homologs, HHR6A and HHR6B, of the yeast DNA repair gene RAD6 to chromosomes Xq24-q25 and 5q23-q31.](#)

Koken MH, Smit EM, Jaspers-Dekker I, Oostra BA, Hagemeijer A, Bootsma D, Hoeijmakers JH.

Genomics 1992 Mar; 12(3):447.

- [Structural and functional conservation of two human homologs of the yeast DNA repair gene RAD6.](#)

Koken MH, Reynolds P, Jaspers-Dekker I, Prakash L, Prakash S, Bootsma D, Hoeijmakers JH.

PNAS 1991 Oct; 88(20):8865.

- [The human ubiquitin carrier protein E2\(Mr = 17,000\) is homologous to the yeast DNA repair gene RAD6.](#)

Schneider R, Eckerskorn C, Lottspeich F, Schweiger M.

The EMBO Journal 1990 May; 9(5):1431.

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Oligospermia](#)