

Rabbit anti-Human, Mouse UBE2T Polyclonal Antibody | anti-UBE2T antibody

UBE2T Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325243	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

UBE2T; Polyclonal Antibody; UBE2T Antibody; Cell proliferation inducing gene 50 protein; Cell proliferation-inducing gene 50 protein; HSPC150; HSPC150 protein similar to ubiquitin conjugating enzyme; PIG50; Ube2t; UBE2T_HUMAN; Ubiquitin carrier protein T; Ubiquitin conjugating enzyme; ubiquitin conjugating enzyme E2 T; Ubiquitin conjugating enzyme E2T; Ubiquitin protein ligase T; Ubiquitin-conjugating enzyme E2 T; Ubiquitin-protein ligase T; anti-UBE2T antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	UBE2T antibody detects endogenous levels of total UBE2T
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	167
Applicable Applications for anti-UBE2T antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus
Tissue Specificity	Down-regulated following hypoxia. Up-regulated in breast cancers.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (90%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HeLa cells using UBE2T antibody.



IF (Immunofluorescence)
AAA325243 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2T antibody	Function: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in mitomycin-C (MMC)-induced DNA repair. Acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway (PubMed:16916645, PubMed:17938197, PubMed:19111657, PubMed:19589784, PubMed:28437106). Also mediates monoubiquitination of FANCL and FANCI (PubMed:16916645, PubMed:17938197, PubMed:19111657, PubMed:19589784). May contribute to ubiquitination and degradation of BRCA1 (PubMed:19887602). In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11', 'Lys-27', 'Lys-48' and 'Lys-63'-linked polyubiquitination (PubMed:20061386). Subunit Structure: Directly interacts with FANCL (PubMed:16916645, PubMed:17938197, PubMed:19111657, PubMed:21775430, PubMed:24389026). Interacts with BRCA1 (PubMed:19887602). Post-translational Modifications: Auto-ubiquitinated. Effects of auto-monoubiquitination at Lys-91 and Lys-182 are unclear: according to a report, monoubiquitination inactivates E2 enzyme activity (PubMed:16916645). In contrast, according to another report, autoubiquitination does not affect E2 enzyme activity (PubMed:19111657). Similarity: Belongs to the ubiquitin-conjugating enzyme family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	874507482
NCBI GeneID	29089
NCBI Accession #	NP_001297255.1
NCBI GenBank Nucleotide #	NM_001310326.1
UniProt Accession #	Q9NPD8; Q2TU36
Molecular Weight	Observed: 22 kD Predicted: 23 kDa
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 T isoform 2
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2 T
NCBI Official Symbol	UBE2T
NCBI Official Synonym Symbols	FANCT; PIG50; HSPC150
NCBI Protein Information	ubiquitin-conjugating enzyme E2 T
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 T
UniProt Gene Name	UBE2T

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.