

## **UBE2A/B Polyclonal Antibody**

Catalog No: YT5081

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: UBE2A/B

**Fields:** >>Ubiquitin mediated proteolysis

Gene Name: UBE2A/UBE2B

Protein Name: Ubiquitin-conjugating enzyme E2 A/Ubiquitin-conjugating enzyme E2 B

Human Gene Id: 7320

**Human Swiss Prot** 

P49459/P63146

No:

Rat Gene Id: 81816

Rat Swiss Prot No: P63149

**Immunogen:** Synthesized peptide derived from the C-terminal region of human UBE2A/B.

**Specificity:** UBE2A/B Polyclonal Antibody detects endogenous levels of UBE2A/B protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:10000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 17kD

Cell Pathway: Ubiquitin mediated proteolysis;

**Background:** 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, ubiquitin-

conjugating enzymes, and ubiquitin-protein ligases. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for post-replicative DNA damage repair, and may play a role in transcriptional regulation. Mutations in this gene are associated with mental retardation. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Aug 2013],

**Function:** catalytic activity:ATP + ubiquitin + protein lysine = AMP + diphosphate + protein

N-ubiquityllysine..caution:The sequence shown here is derived from an Ensemble

automatic analysis pipeline and should be considered as preliminary

data.,function:Catalyzes the covalent attachment of ubiquitin to other proteins. Required for postreplication repair of UV-damaged DNA.,pathway:Protein

modification; protein ubiquitination., similarity: Belongs to the ubiquitin-conjugating

enzyme family., subunit: Interacts with RAD18.,

Subcellular Location:

chromatin,nuclear chromatin,XY body,cytoplasm,cytosol,HULC complex,

**Expression:** Lung, Skin, Subthalamic nucleus, Thyroid,

**Sort :** 23857

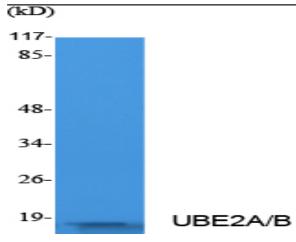
**No4**: 1

Host: Rabbit

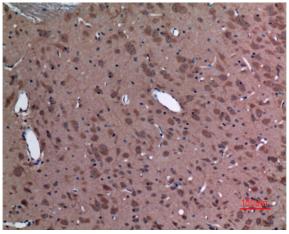
Modifications: Unmodified

## **Products Images**

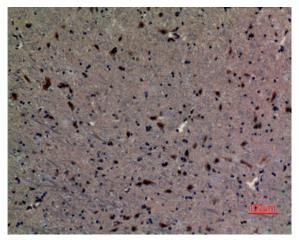
2/3



Western Blot analysis of extracts from Jurkat cells, using UBE2A/B Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100