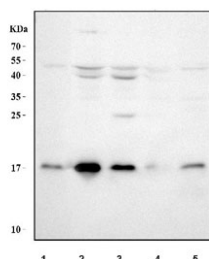


UBC9 Antibody (R31382)

Catalog No.	Formulation	Size
R31382	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P63279
Applications	Western Blot : 0.5-1ug/ml
Limitations	This UBC9 antibody is available for research use only.



Western blot testing of 1) human placenta, 2) human K562, 3) human HepG2, 4) rat brain and 5) rat kidney tissue lysate with UBC9 antibody. Predicted molecular weight ~18 kDa.

Description

SUMO-conjugating enzyme UBC9, also called UBE2I, is a protein that in humans is encoded by the UBE2I gene. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. UBE2I could fully complement the mutant phenotype of a yeast *ubc9* mutant strain. This gene may play a similar role via interaction with WT1, which is able to impose a block to cell cycle progression in eukaryotic cells. Additionally, it could support the growth of yeast *ubc9* temperature-sensitive mutants at nonpermissive temperatures, indicating that the gene is a functional homolog of yeast *ubc9*. The protein is specifically associated with FHIT, such as FHIT may be involved in cell cycle control through its interaction with UBE2I.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the UBC9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human UBC9/UBE2I (IKQILLGIQELLNE) was used as the immunogen for this UBC9 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the UBC9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.