

Uba2 Antibody

Catalog No: #33535

Package Size: #33535-1 50ul #33535-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

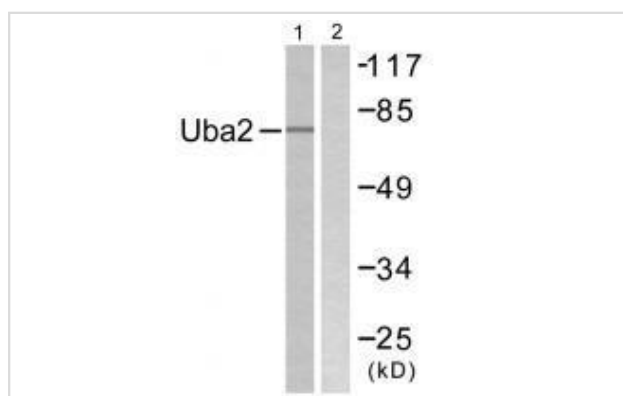
Product Name	Uba2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total Uba2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human Uba2.
Target Name	Uba2
Other Names	ANTHRACYCLINE-associated resistance ARX; ARX; EC 6.3.2.-; SUMO-1 activating enzyme subunit 2; UBA2
Accession No.	Swiss-Prot: Q9UBT2NCBI Gene ID: 10054
Uniprot	Q9UBT2
GeneID	10054;
SDS-PAGE MW	71kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

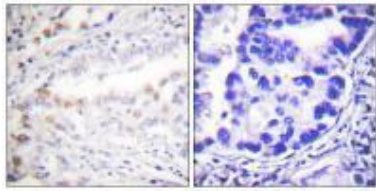
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells, treated with UV (5mins), using Uba2 antibody #33535.

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using Uba2 antibody #33535.



Background

The heterodimer acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2.

Mark H. L. Lambermon, Mol. Cell. Biol., Jun 2002; 22: 4346 - 4357.

Kyoung-Seok Ryu, J. Biol. Chem., Sep 2003; 278: 36621 - 36627.

R. Jrgen Dohmen, J. Biol. Chem., Jul 1995; 270: 18099.

Yoshiaki Azuma, FASEB J, Jun 2001; 10.1096.

Note: This product is for in vitro research use only