Ubiquitin Monoclonal Antibody (Ubi-1)

Product Details	
Size	100 µg
Species reactivity	All, Bovine, Chicken, Human, Mouse, Xenopus
Published species	Avian, Fruit fly, Human, Mouse, Non-human primate, Rabbit, Rat, Rhesus monkey, Tag, Xenopus, Yeast
Host / Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	Ubi-1
Conjugate	Unconjugated
Immunogen	Purified bovine ubiquitin conjugated to carrier protein
Form	Liquid
Concentration	0.5 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533002

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.1-1 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	-	7 Publications
Immunohistochemistry (IHC)	Assay-dependent	9 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunoprecipitation (IP)	Assay-dependent	7 Publications
Miscellaneous Pubmed (Misc)	-	5 Publications
Western Blot (WB)	1-3 µg/mL	56 Publications

Product Specific Information

13-1600 recognizes ubiquitin, both conjugated and unconjugated. It reacts with a single chain 8.5 kDa protein. The ubiquitin molecule appears to be present in all eukaryotic cells and has an identical primary structure in all animals. Ubiquitin is present in the nucleus, cytoplasm, and on cell surface membranes.
This antibody is suitable for immunohistochemical staining of alcohol- or paraformaldehyde-fixed, paraffin-embedded or frozen tissue sections. Heat-induced epitope retrieval with citrate buffer, pH 6.0, is required for specific staining of formalin-fixed, paraffin-embedded tissue sections. To stain, incubate 30-60 minutes at room temperature or overnight at 4°C. This antibody may also be used in ELISA and has been successfully used in western blot analysis of ubiquitinated proteins in mouse thymocytes.
To perform western blotting, prepare lysis buffer in 10 mM N-Ethylmaleimide to inhibit ubiquitin-conjugating enzymes. N-Ethylmaleimide inactivates certain enzymes by blocking free sulfhydryls. After electrophoresis and transfer, pre-incubate transferred membranes in denaturing buffer (6 M guanidine-HCl, 20 mM Tris-HCl, pH 7.5, 5 mM betamercaptoethanol, 1 mM PMSF) for 30-60 minutes at 4°C, followed by extensive PBS washing.

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