

## 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.

**Visit [thermofisher.com](http://thermofisher.com) to view references and figures.**

Products are under warranty for one year from the date of shipment unless otherwise stated on this document or the product label.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OR REFUND FOR THE NON-COMFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.