

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Ubiquitin in direct ELISAs
Source	Recombinant Monoclonal Rabbit IgG Clone # 1002A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human Ubiquitin Accession # P0CG47
Formulation	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1:1000 dilution	See Below

DATA

Western Blot

Detection of Human Ubiquitin by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line untreated (-) or treated with MG132. PVDF membrane was probed with 1:1000 dilution of Rabbit Anti-Human Ubiquitin Monoclonal Antibody (Catalog # MAB8595) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for Ubiquitin at various molecular weights (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Western Blot

Detection of Ubiquitin by Western Blot. Western blot shows Di-Ubiquitin chains of the indicated linkage type loaded at 2 ng/lane. PVDF membrane was probed with 1:1000 dilution of Rabbit Anti-Human Ubiquitin Monoclonal Antibody (Catalog # MAB8595) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for Di-Ubiquitin as indicated. This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

Ubiquitin is a 76 amino acid, highly conserved nuclear and cytoplasmic protein. It is found exclusively in eukaryotes, becomes covalently attached to substrate proteins by enzymes in the Ubiquitin-Proteasome Pathway (UPP) and has a major role in targeting cellular proteins for the ATP-dependent degradation by the 26S proteasome. Ubiquitination also affects proteasome-independent events such as protein localization, activity and function.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.