


Product datasheet

HRP Anti-Ubiquitin (linkage-specific K27) antibody [EPR17034] α b237256

Recombinant RabMAb

[2 Images](#)

Overview

Product name	HRP Anti-Ubiquitin (linkage-specific K27) antibody [EPR17034]
Description	HRP Rabbit monoclonal [EPR17034] to Ubiquitin (linkage-specific K27)
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Di-Ubiquitin/Ub2 (K27 Linked).
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR17034

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab237256 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000.

Target

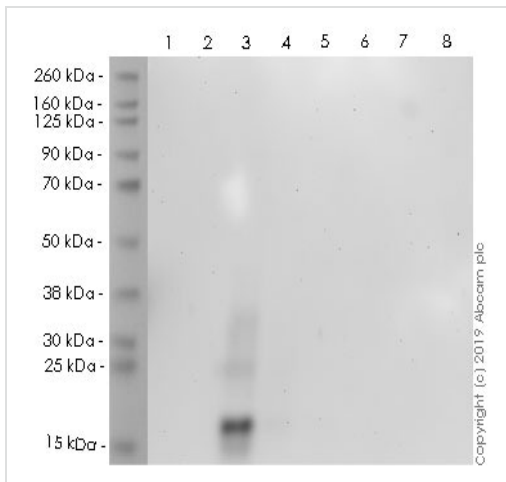
Relevance

Function: Ubiquitin exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling. Similarity: Belongs to the ubiquitin family. Contains 3 ubiquitin-like domains.

Cellular localization

Cell Membrane, Cytoplasmic and Nuclear

Images







Western blot - HRP Anti-Ubiquitin (linkage-specific K27) antibody [EPR17034] (ab237256)

This blot was produced using a 4-12% Bis-Tris gel under the MES buffer system. The gel was run at 200V for 35 mins. before being transferred onto a nitrocellulose membrane at 30V for 70 mins. The membrane was then blocked for an hour using 3% non-fat milk before being incubated with ab237256 (1/1000) overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

Samples:

- Lane 1. Di-Ubiquitin/Ub2 (Full Length) (20ng)
- Lane 2. Di-Ubiquitin/Ub2 (K11 Linked) (20ng)
- Lane 3. Di-Ubiquitin/Ub2 (K27 Linked) (20ng)
- Lane 4. Di-Ubiquitin/Ub2 (K29 Linked) (20ng)
- Lane 5. Di-Ubiquitin/Ub2 (K33 Linked) (20ng)
- Lane 6. Di-Ubiquitin/Ub2 (K48 Linked) (20ng)
- Lane 7. Di-Ubiquitin/Ub2 (K6 Linked) (20ng)
- Lane 8. Di-Ubiquitin/Ub2 (K63 Linked) (20ng)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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