

Anti-Ubiquitin+1/UBB+1 antibody [EPR24825-103] - BSA and Azide free (Capture) ab285010

Recombinant RabMAb

2 Images

Overview

Product name	Anti-Ubiquitin+1/UBB+1 antibody [EPR24825-103] - BSA and Azide free (Capture)
Description	Rabbit monoclonal [EPR24825-103] to Ubiquitin+1/UBB+1 - BSA and Azide free (Capture)
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab285010 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Human Tetra-ubiquitin. The recommended pair for sandwich ELISA is:</p> <p>Capture: ab285010, Human Ubiquitin +1 Capture Antibody (unconjugated) Detector: ab285116, Human Ubiquitin Detector Antibody (unconjugated)</p> <p>The reference range value is 31.25-2000 pg/mL.</p> <p>The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Please note that the range provided for this antibody is only an estimation based on the performance of the product using the recommended antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody in your assay.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <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.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR24825-103
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab285010 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

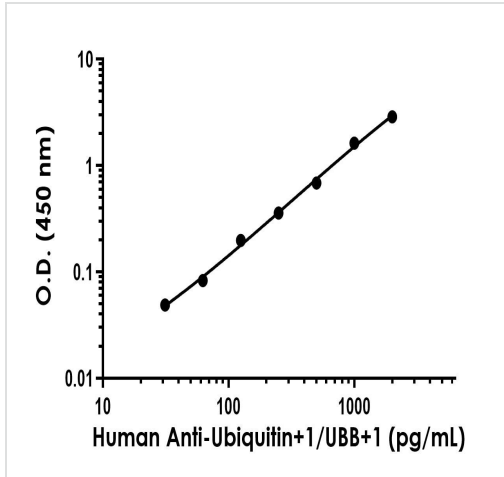
Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with <u>PE / R-Phycoerythrin Conjugation Kit - Lightning-Link® (ab102918)</u> and <u>Streptavidin Conjugation Kit - Lightning-Link® (ab102921)</u> and <u>Biotinylation Kit / Biotin Conjugation Kit (Fast and Type A) - Lightning-Link® (ab201795)</u> and <u>Rabbit monoclonal [EPR24289-105] to Ubiquitin - BSA and Azide free (Detector) (ab285116)</u> .

Target

Relevance Ubiquitin +1 (Ub+1) is a novel mutant form of ubiquitin that can be produced through a process known as molecular frameshift. Ub+1 can be polyubiquitinated to produce aberrant polyubiquitin chains that inhibit the 26S proteasome. Especially Ub+1 is accumulated in aggregates containing amyloid beta and phosphorylated tau. Elevated expression of Ub+1 mRNA and protein has been observed in the brains of patients with Alzheimer's disease. Also Ub+1 acts as an aggravating factor in polyglutamine induced neurodegeneration.

Cellular localization Cytoplasmic and Nuclear





Images



Sandwich ELISA of **ab253843** with the capture antibody **ab285010** dilution at 2 µg/mL and detector antibody **ab285116** dilution at 0.5 µg/mL.

Sandwich ELISA - Anti-Ubiquitin+1/UBB+1 antibody [EPR24825-103] - BSA and Azide free (Capture) (ab285010)

Powered by recombinant antibodies

 <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>

Sandwich ELISA - Anti-Ubiquitin+1/UBB+1 antibody [EPR24825-103] - BSA and Azide free (Capture) (ab285010)

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

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