Datasheet for ABIN498041

# anti-UBA52 antibody (C-Term)

3 Images

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## Overview

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|---|---|
| Quantity: | 0.2 mL |
| Target: | UBA52 |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This UBA52 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

## Product Details

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| Immunogen: | Synthetic peptide kLH conjugated synthetic peptide selected from the C-terminal region of Human Ubiquitin .Remarks: Antigen Modification: C-Terminus |
| Isotype: | IgG |
| Specificity: | Recognizes Ubiquitin, Ribosomal Protein L40 (UBA52). |
| Cross-Reactivity (Details): | Species reactivity (tested):Human. |
| Purification: | Protein G Chromatography |

## Target Details

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|---|---|
| Target: | UBA52 |

## Target Details

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|---|---|
| Alternative Name: | UBA52 (UBA52 Products) |
| Background: | This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome.Synonyms: CEP52, UBCEP2, Ubiquitin A-52 residue ribosomal protein fusion product 1, Ubiquitin-60S ribosomal protein L40 |
| Gene ID: | 7311 |
| NCBI Accession: | NP_001029102 |
| UniProt: | P62987 |
| Pathways: | Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Mitotic G1-G1/S Phases, DNA Replication, Toll-Like Receptors Cascades, Synthesis of DNA, EGFR Downregulation |

## Application Details

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| Application Notes: | ELISA: 1/50-1/100Western blot: 1/100-1/500Immunohistochemistry on Paraffin Sections: 10 µg/mL<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |

## Handling

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| Concentration: | 0.25 mg/mL |
| Buffer: | PBS containing 0.09 % Sodium Azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Handling

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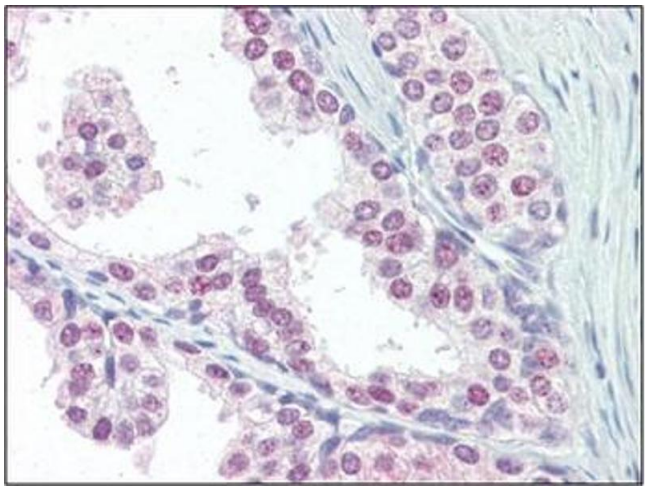
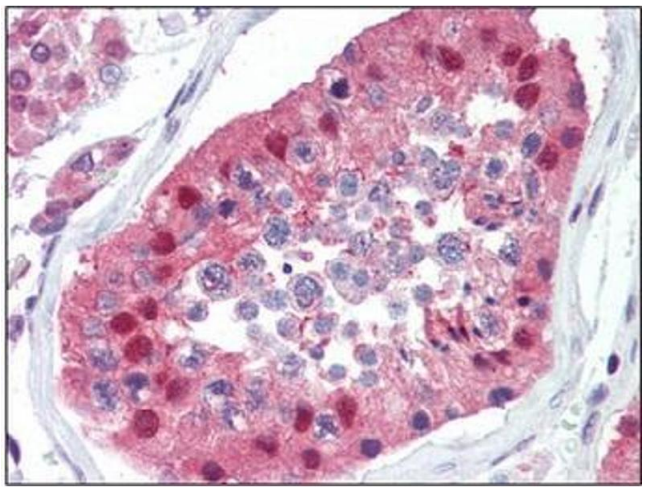
|---|---|
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |

## Images



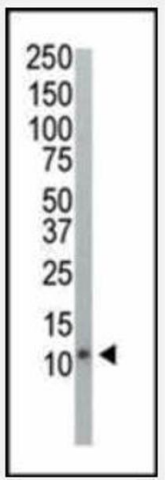
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1. Immunohistochemistry:** UBA52 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Prostate followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2. Immunohistochemistry:** UBA52 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Testis followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.




**Western Blotting**

**Image 3.** Western blot of anti-Ubiquitin antibody in HeLa cell lysate. Ubiquitin (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.