

DATASHEET

UBR5 Rabbit Polyclonal Antibody

CAT. NO. APA08101

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | UBR5 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Bovine, Dog, Pig, Zebrafish | Clonality | Polyclonal |
| Applications | WB, IHC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

E3 ubiquitin-protein ligase involved in different protein quality control pathways in the cytoplasm and nucleus . Mainly acts as a ubiquitin chain elongator that extends pre-ubiquitinated substrates . Component of the N-end rule pathway: ubiquitinates proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their degradation . Recognizes type-1 N-degrons, containing positively charged amino acids (Arg, Lys and His) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|-----|----------------|
| WB | 1:500 - 1:1000 |
| IHC | 1:100 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to UBR5 |
| Specificity | Recognizes endogenous levels of UBR5 protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human UBR5. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 309 kD; Observed: 309 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | EDD; EDD1; HYD; KIAA0896; E3 ubiquitin-protein ligase UBR5; E3 ubiquitin-protein ligase, HECT domain-containing 1; Hyperplastic discs protein homolog; hHYD; Progesterin-induced protein |
| Gene Symbol | UBR5 |
| Entrez Gene | 51366(Human); 70790(Mouse) |
| SwissProt | O95071(Human); Q80TP3(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

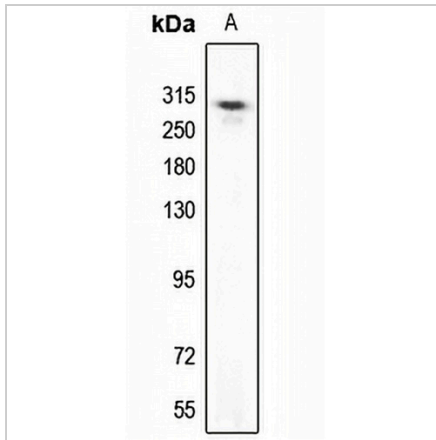
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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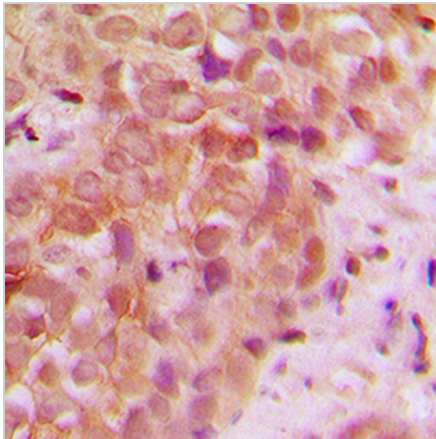
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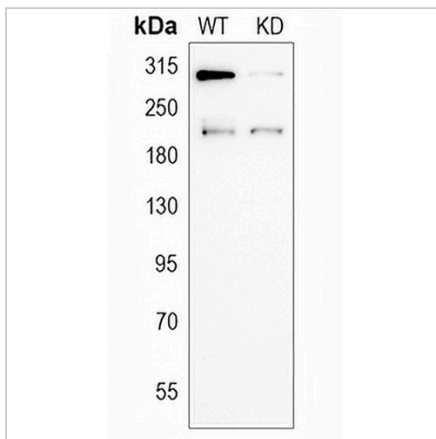
DATA



Western blot analysis of UBR5 expression in zebrafish (A) whole cell lysates. (Predicted band size: 309 kD; Observed band size: 309 kD)



Immunohistochemical analysis of UBR5 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blot analysis of UBR5 expression in wild type (WT) and knockdown (KD) HeLa cell lysates.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.