Rabbit Polyclonal antibody to Derlin-1

Catalog Number: NB100-448SS

Background: Derlin-1 is a channel-like protein, found in the ER membrane, responsible for degrading and funneling misfolded proteins and other cellular debris into the appropriate waste disposal sites within the cell.

Alternate Names: anti-Degradation in endoplasmic reticulum protein 1 antibody, anti-Der1-like protein 1 antibody, anti-DERtrin-1 antibody, anti-DERL1 antibody

Host: Rabbit

Research Areas: IHC Grade

Immunogen: A synthetic peptide made to the C-terminal region of the human Derlin-1 protein sequence (between residues 200-251).

Specificity: This antibody is specific for Derlin-1.

Localization: Subcellular localization in the endoplasmic reticulum

Species Reactivity: This antibody reacts with human and canine Derlin-1. No other specie has been tested. The immunogen used for this antibody production has 100% homology with human, Xenopus, bovine, and mouse protein.

Uses: This antibody can be used for Western blot analysis where a band is seen at ~29 kDa, representing Derlin-1 as well as IHC on formalin fixed paraffin embedded sections.

* Other applications have not been tested.

Dilutions: Suggested working dilutions *

- Immunohistochemistry 5-10 ug/ml,
- Western Blot 1:1,000-1:5,000 (ECL)

* Investigator should determine optimal working dilutions.

Positive Controls: KRM (canine microsome) lysates. (BD offers commercial liver microsomes)

Packaging: 0.025 ml Affinity purified Rabbit antisera.

Concentration: 1 mg/ml

Preservative: 0.1% sodium azide

Storage: Store at 4 degrees Celcius. Avoid freezing.

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.

General References: