Rabbit anti Ubiquitin Polyclonal Antibody

Alternative Name(s): ubiquitin

Order Information

- **Description:** Ubiquitin
- **Catalogue:** 500-3354
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide corresponding to C-term of ubiquitin protein.

BACKGROUND

Ubiquitin (Ub) is a highly conserved protein of approximately 8.5 kDa. It plays a very important role in regulated non-lysosomal ATP dependent protein degradation. The protein to be degraded is covalently attached to C-term of ubiquitin, and the ubiquinated protein is then selectively degraded by a 26S complex, multicatalytic cytosolic and nuclear protease termed proteasome. The Ub-proteasome proteolytic pathway, which is a complex process, is implicated to be of great importance for regulating numerous cellular processes.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human ubiquitinated protein. This antibody reacts with human, rat, mouse. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 8.5
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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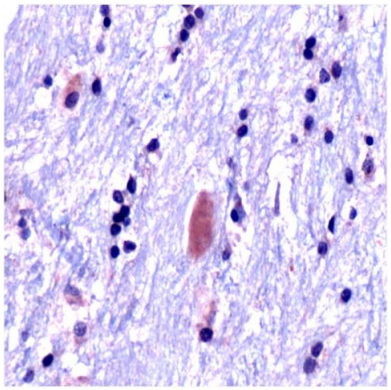
DATA ATTACHMENTS



Immunohistochemistry: Human Alzheimer brain (FFPE) stained with Anti-ubiquitin antibody (Cat# 500-3354) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES