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Rabbit Anti-Ubiquitin Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52106

Specification

Rabbit Anti-Ubiquitin Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P0CG48
Reactivity	**Human, Mouse, Rat, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**77039**

Rabbit Anti-Ubiquitin Polyclonal Antibody - Additional Information

Gene ID 7316

Other Names
HMG2; Polyubiquitin-C; UBC

Dilution
WB~~1:100~1:500<br \>IHC-P~~1:100~1:500

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

Rabbit Anti-Ubiquitin Polyclonal Antibody - Protein Information

Name UBC

Function
[Ubiquitin]: Exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in proteotoxic stress response and cell cycle; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually

conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling.

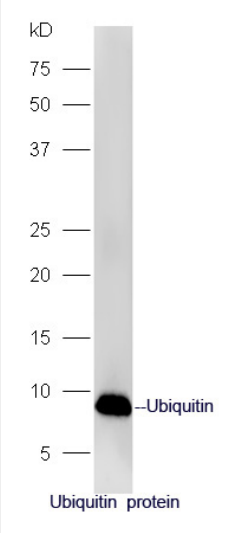
Cellular Location
[Ubiquitin]: Cytoplasm. Nucleus. Mitochondrion outer membrane; Peripheral membrane protein

Rabbit Anti-Ubiquitin Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

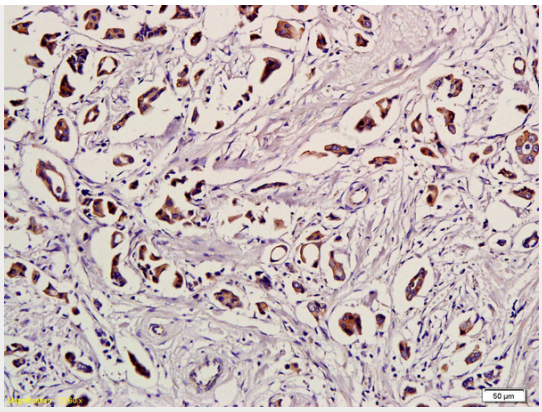
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rabbit Anti-Ubiquitin Polyclonal Antibody - Images



Ubiquitin protein probed with Rabbit Anti-Ubiquitin Polyclonal Antibody, Unconjugated (AP52106) at 1:300 overnight at 4˚C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37˚C.

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Formalin-fixed and paraffin embedded human breast cancer labeled with Anti-Ubiquitin/UBC/UB Polyclonal Antibody, Unconjugated (AP52106) followed by conjugation to the secondary antibody and DAB staining

Rabbit Anti-Ubiquitin Polyclonal Antibody - Background

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