

Mouse Ubiquitin Antibody

AbFlex Ubiquitin antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60278	Mouse	Human, Wide Range Predicted	Western Blot

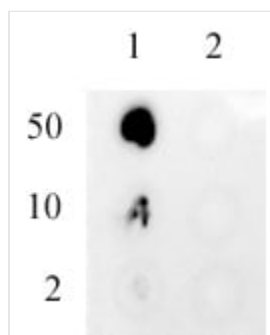
PRODUCT SYNONYMS

Ubiquitin; AbFlex Ubiquitin antibody (rAb); anti-Ubiquitin antibody

PRODUCT SPECIFICATIONS

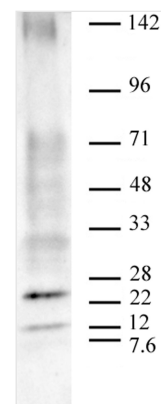
Host	Mouse
Reactivity	Human, Wide Range Predicted
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in 140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-Ubiquitin antibody	WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	This antibody was raised against bovine ubiquitin.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



DB (Dot Blot)

AbFlex Ubiquitin antibody specificity Dot blot analysis was used to confirm the specificity of Ubiquitin antibody. 50 ng, 10 ng, and 2 ng of either recombinant Ubiquitin (Lane 1) or BSA (Lane 2) were spotted onto nylon membrane and probed with AbFlex Ubiquitin recombinant antibody at 2 ug/ml.



SDS-PAGE

AbFlex Ubiquitin antibody (rAb) tested by Western blot. 20 ug of HeLa cell nuclear acid-extract was run on SDS-PAGE and probed with AbFlex Ubiquitin antibody at 0.5 ug/ml. Antibodies to Ubiquitin will detect proteins of various sizes that are modified by the addition of Ubiquitin.

ADDITIONAL INFORMATION

Related Product Information for anti-Ubiquitin antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex Ubiquitin antibody (rAb) was raised in a Mouse host. It has been validated for use in Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex Ubiquitin antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. Ubiquitin is an important signaling protein that is catalytically added to proteins on lysine residues to modify their function. Addition of multiple ubiquitin proteins in a string (poly-ubiquitylation) to proteins signals their destruction by the proteasome. Mono-ubiquitylation of proteins has a much different effect, more in keeping with post-translational modification of proteins by phosphorylation or acetylation. Mono-ubiquitylation is part of a number of signal transduction pathways, including those involving histone proteins and transcriptional regulation.
Product Categories/Family for anti-Ubiquitin antibody	Primary Antibodies

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/ubiquitin/60278>