

Rabbit Memo Polyclonal Antibody | anti-MEMO1 antibody

Memo (N-Terminal Region)

CATALOG # AAA71551	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Chicken	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
------------------------------	-----------------------	---	---

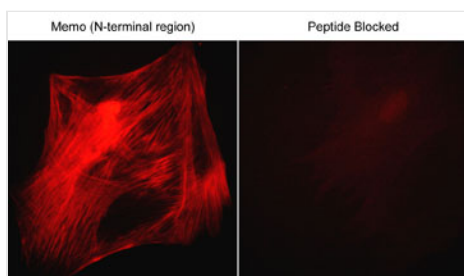
PRODUCT SYNONYMS

Memo; Polyclonal Antibody; Memo (N-Terminal Region); CGI27; c21orf19like; NS5ATP7; anti-MEMO1 antibody

PRODUCT SPECIFICATIONS

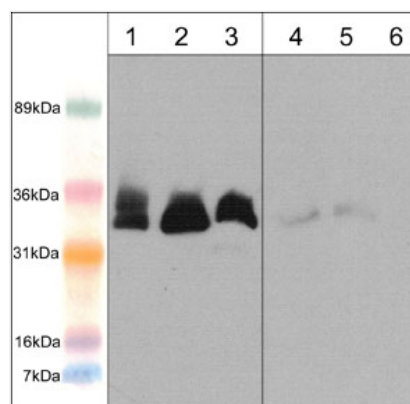
Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Polyclonal
Specificity	This antibody was affinity purified using Memo (N-terminal region) peptide (without carrier). The antibody detects a significant 33 kDa* protein corresponding to the molecular mass of Memo on SDS-PAGE immunoblots of mouse heart, mouse C2C12, and rabbit spleen fibroblasts.
Purity/Purification	Affinity Purified
Form/Format	Supplied in 100ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Sequence Length	274
Applicable Applications for anti-MEMO1 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Memo synthetic peptide (coupled to KLH) corresponding to amino acid residues in the N-terminal region of human Memo. This peptide sequence is highly conserved in rat, mouse, and chicken Memo.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of Memo in rabbit spleen fibroblasts that were fixed in paraformaldehyde and permeabilized with NP-40. The cells were probed with the Memo (N-terminal Region) MP3721, then the antibody was detected using goat anti-rabbit DyLight 594. The antibody was used in the absence (left) or presence (right) of its blocking peptide (MX3725).



WB (Western Blot)

Western blot analysis of Memo expression in adult mouse heart (lane 1 & 4), mouse C2C12 cells (lane 2 & 5), and rabbit spleen fibroblast cells (lane 3 & 6). The blot was probed with anti-Memo (N-terminal region) (MP3721; lanes 1-6) in the presence (lanes 4-6) or absence (lanes 1-3) of Memo blocking peptide (MX3725).

ADDITIONAL INFORMATION

Related Product Information for anti-MEMO1 antibody	During cell migration, actin assembly drives cell membrane protrusion, while microtubules (MTs) extend within protrusions to promote adhesion site turnover. Memo (mediator of ErbB2-driven cell motility) is an effector of the ErbB2 receptor tyrosine kinase involved in breast carcinoma cell migration. This effector may be important for mediating ErbB2-regulated changes in actin and MT dynamics during cell motility. Memo, a 297-amino-acid protein, has homology to class III nonheme iron-dependent dioxygenases, however it has not been shown to display metal binding or enzymatic activity. It has been shown to bind ErbB2 (Tyr-1227) phosphopeptide via its putative enzymatic active site. Memo and PLCgamma1 interaction with ErbB2 is essential for HRG-induced chemotaxis. Furthermore, organization of the lamellipodial actin network is coordinated by signaling from Memo to the RhoA-mDia1 pathway localized to the plasma membrane. In addition, Memo may regulate actin dynamics by promoting cofilin depolymerizing and severing of F-actin.
References	Qiu, C. et al. (2008) J. Biol. Chem. 283:2734.Zaoui, K. et al. (2008) J. Cell Biol. 183:401.Meira, M. et al. (2009) J. Cell Sci. 122:787.

NCBI AND UNIPROT INFORMATION

NCBI GI #	212286159
NCBI GeneID	51072
NCBI Accession #	NP_001131074.1
NCBI GenBank Nucleotide #	NM_001137602.2
UniProt Accession #	Q9Y316
Molecular Weight	33 kDa
NCBI Official Full Name	protein MEMO1 isoform 2
NCBI Official Synonym Full Names	mediator of cell motility 1
NCBI Official Symbol	MEMO1
NCBI Official Synonym Symbols	MEMO; C2orf4; CGI-27; NS5ATP7
NCBI Protein Information	protein MEMO1
UniProt Protein Name	Protein MEMO1
UniProt Gene Name	MEMO1
UniProt Synonym Gene Names	C2orf4; MEMO; NS5ATP7; HCV NS5A-transactivated protein 7; Mediator of cell motility 1; Memo-1
UniProt Entry Name	MEMO1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/memo-antibody-immunocytochemistry-western-blot-elisa/71551>