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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Vimentin [MO82] Bulk Size Ab03912-6.1-BT

Isotype and Format: Rat IgG1, Kappa

Clone Number: MO82

Alternative Name(s) of Target:

UniProt Accession Number of Target Protein: P31000

Published Application(s): ICC, IEM, WB, ELISA, IF

Published Species Reactivity: Rat, Human, Mouse

Immunogen: The original antibody was generated by immunizing BDF1 mice with keyhole limpet hemocyanin (KLH) coupled PV82 — a synthesized vimentin peptide containing the ser82 phosphorylation — (PV82-KLH) emulsified in complete Freund's adjuvant.

Specificity: This antibody specifically recognizes vimentin phosphorylation at Ser82, a CAM kinase II phosphorylation site.

Application Notes: This antibody is specific to the CAM kinase II phosphorylated vimentin Ser82 residue, as determined by ELISA, can detect the activity of endogenous CAM kinase II astrocytes, as detected by WB, and was used for ICC (IF) to detect CAM kinase II phosphorylated vimentin Ser82 in type 1 astrocytes extracted from newborn rats' cerebral cortices. IEM observation confirmed that the epitope of MO82 was localized along the vimentin filaments (Ogawara et al., 1995; PMID: 7490282). This antibody was used for: in vivo vimentin kinase activity visualization of vimentin kinase activity in cell signaling or mitosis (Goto et al., 1998; PMID: 9565595) and as a positive control in a WB for vimentin ser82 phosphorylation and in IF staining of U251 human glioma cells (Yamaguchi et al., 2005; PMID: 16260496).

Antibody First Published in: Ogawara et al. Differential targeting of protein kinase C and CaM kinase II signalings to vimentin J Cell Biol. 1995 Nov; 131(4):1055-66. doi: 10.1083/jcb.131.4.1055 [PMID:7490282](#)

Note on publication: The original publication prepared YT33 to investigate the signaling pathways of CaM kinase II to vimentin.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.