



Qty: 100 µg/200 µL

Mouse anti-ABIN-1

Catalog No. 37-6100

Lot No.

Mouse anti-ABIN-1

FORM

This monoclonal antibody is supplied as a 200 µL aliquot at a concentration of 0.5 mg/mL in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A chromatography.

CLONE: 1A11E3

ISOTYPE: IgG_{2a}-kappa

IMMUNOGEN

Synthetic peptide derived from the N-terminal region of the human, mouse and rat ABIN-1 protein.

SPECIFICITY

This antibody recognizes the ~80 kDa ABIN-1 protein. Bands of unknown origin at ~180 kDa and >250 kDa were observed in Western blots using HEK-293 cell lysates.

REACTIVITY

Reactivity has been confirmed with human HEK-293 cell lysate. Based upon 100% amino acid sequence identity, reactivity with mouse and rat is expected.

Sample	ELISA	Immuno-precipitation (native)	Western Blotting
Human	ND	++	+++
Mouse	ND	ND	ND
Rat	ND	ND	ND
Immunogen	+++	ND	ND

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.1-1.0 µg/mL
Immunoprecipitation: 7-10 µg/test
Western Blotting: 1-3 µg/mL

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

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BACKGROUND

A20-binding inhibitor of NF κ B activation (ABIN-1) is involved in NF κ B-dependent gene expression and plays an important role in numerous cellular processes including stress responses, inflammation and cell proliferation.^{1,2} ABIN-1 increases cell surface CD4 (T4) antigen expression, and it interacts with HIV-1 matrix protein and is packaged into virions. Overexpression of ABIN-1 can inhibit viral replication. ABIN-1 may also regulate matrix nuclear localization, both nuclear import of PIC (Preintegration complex) and export of GAG polyprotein and viral genomic RNA during virion production. ABIN-1 is strongly expressed in peripheral blood lymphocytes, spleen and skeletal muscle, and is weakly expressed in the brain.

REFERENCES

1. Fukushi M, et al. *FEBS Lett* 442:83-88, 1999.
2. Heyninck K, et al. *FEBS Lett* 563:135-140, 2003.

RELATED PRODUCTS

Product	Conjugate	Cat. No.
Protein A	Sepharose [®] 4B	10-1041
rec-Protein G	Sepharose [®] 4B	10-1241

Conjugate	ZyMAX[™] Goat x Rabbit IgG (H+L)	ZyMAX[™] Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy [™] 3	81-6115	81-6515
Cy [™] 5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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