



Rabbit anti SAND1 (Mona) Polyclonal Antibody

Alternative Name(s): MON1 homolog A; SAND1

Order Information

- **Description:** SAND1 (Mona)
- **Catalogue:** 630-140
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms,

ANTIGEN PREPARATION

A synthetic peptide derived from a portion of the intra domain 190-240aa of human Mon1a protein. This sequence is identical to human, mouse, rat, bovine and chicken.

BACKGROUND

SAND-1 (Mon1a (490 aa) and Mon1b (547aa)) and CCZ-1 (Ccz1) are new factors for the apoptotic cells removal. Impaired apoptotic cell clearance (due to defective recognition, internalization or degradation) results in autoimmune disease. Mon1a and Mon1b, are similarly required for phagosome maturation. Mon1a and Mon1b are required for phagosome maturation. Mona and its partner CCZ-1 form a complex (but not either protein alone) could bind small GTPase Rab7, thus influence Rab7 activation, Mon1a, Mon1b and CCZ-1 are critical and evolutionarily conserved components regulating the processing of ingested apoptotic cell corpses.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody only recognizes ~52 kDa of Mon1a protein. It cross-reacts to human, mouse and rat origins. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 52.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: The whole cell lysate derived from Hela was immuno-blotted by Rabbit anti Mon1a (Cat#630-140) at 1:500, an immunoreactive band is observed around ~50 kDa.

REFERENCES

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