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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07557 - Goat Anti-ARF1 (variants 1-4) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ARF1, ADP-ribosylation factor 1, ARF 1, ADP ribosylation factor 1

Official Symbol: ARF1

Accession Number(s): NP_001019397.1; NP_001649.1; NP_001019398.1;
NP_001019399.1

Human GeneID(s): [375](#) , [376](#)

Non-Human GeneID(s): 11840 (mouse), 64310 (rat)

Important Comments: This antibody is expected to recognize all four reported isoforms.

Immunogen

Peptide with sequence C-EGLDWLSNQLRNQK, from the C Terminus of the protein sequence according to NP_001019397.1; NP_001649.1; NP_001019398.1; NP_001019399.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 18kDa band observed in lysates of cell lines A431, HeLa, MCF7, NIH3T3, KNRK and MDCK (calculated MW of 20.7kDa according to Human NP_001649.1, Mouse NP_031502.1 and Rat NP_071963.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse, Rat, Dog

Expected from sequence similarity: Human, Mouse, Rat, Dog

EB07557 (1µg/ml) staining of A431 (A) and (0.3ug/ml) of HeLa (B) and MCF7 (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07557 (1µg/ml) staining of NIH3T3 (A), KNRK (B) and MDCK (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07557 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.