

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB11182 - Goat Anti-ATP2B1 (aa312-327) Antibody

Size: 100µg specific antibody in 200µl

# **Target Protein**

**Principal Names:** ATPase, Ca++ transporting, plasma membrane 1, plasma membrane calcium ATPase, plasma membrane calcium pump, plasma membrane calcium-ATPase, plasma membrane calcium-transporting ATPase 1, PMCA1, PMCA1kb, ATP2B1

Official Symbol: ATP2B1

Accession Number(s): NP\_001001323.1; NP\_001673.2

Human GeneID(s): 490

Non-Human GenelD(s): 67972 (mouse), 29598 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP\_001001323.1; NP\_001673.2).

# **Immunogen**

Peptide with sequence C-KQDGAIENRNKAKAQD, from the internal region of the protein sequence according to NP\_001001323.1; NP\_001673.2.

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 1:64000.

**Western blot:** Approx 150kDa band observed in lysates of cell line HeLa (calculated MW of 135kDa according to NP\_001673.2). Recommended concentration: 0.03-0.1µg/ml.

#### **Species Reactivity**

Tested: Human

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



EB11182 ( $0.03\mu g/ml$ ) staining of HeLa lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.