

#### **International Office**

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## EB05310-T - Goat Anti-Annexin A2 Antibody - Trial

Size: 20µg specific antibody in 40µl

# Target Protein

**Principal Names:** ANXA2, annexin A2, ANX2, LIP2, LPC2, CAL1H, LPC2D, ANX2L4, P36, PAP-IV, annexin II, lipocortin II, Annexin II (lipocortin I), annexin II (lipocortin II), calpactin I, heavy polypeptide (p36), annexin II (lipocortin II calpactin I, heavy polypeptide), calpactin I heavy polypeptide, chromobindin 8, lipocortin II, placental anticoagulant protein IV, HEL-S-270

Official Symbol: ANXA2

Accession Number(s): NP\_001002858.1; NP\_004030.1

Human GeneID(s): 302

Non-Human GenelD(s): 12306 (mouse), 56611 (rat)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_001002858.1; NP\_004030.1). Variants NP\_004030.1, NP\_001002857.1 and NP\_001129487.1 represent identical protein.

#### **Immunogen**

Peptide with sequence STVHEILCKLSLEGD, from the N Terminus of the protein sequence according to NP\_001002858.1; NP\_004030.1.

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 1:1000.

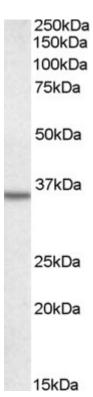
**Western blot:** Approx 35kDa band observed in lysates of cell lines A549, HeLa and NIH3T3 (calculated MW of 38.6kDa according to NP\_004030.1 and NP\_001002858.1).

Recommended concentration: 0.5-3 $\mu$ g/ml. Primary incubation was for 1 hour.

#### **Species Reactivity**

Tested: Human, Mouse

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



EB05310 staining (0.5μg/ml) of A431 lysate (RIPA buffer, 35μg total protein per lane). Detected by chemiluminescence.