



## UK Office

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

## EB10911 - Goat Anti-ATXN1 (aa686-699) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATXN1, ataxin 1, ATX1, D6S504E, SCA1, OTTHUMP00000016065, ataxin-1, spinocerebellar ataxia type 1 protein

**Official Symbol:** ATXN1

**Accession Number(s):** NP\_000323.2

**Human GeneID(s):** [6310](#)

**Non-Human GeneID(s):** 20238 (mouse), 25049 (rat)

**Important Comments:** Reported variants represent identical protein: NP\_001121636.1, NP\_000323.2

### Immunogen

Peptide with sequence C-TLKNLKNQSVKKGQ, from the internal region of the protein sequence according to NP\_000323.2.

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 1:32000.

**Western blot:** Preliminary experiments gave bands at approx 75kDa and 26kDa in Mouse Fetal Brain lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 84.7kDa according to NP\_001186234.1 and 83.8kDa according to NP\_033150.2. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

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