



## UK Office

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

## EB11130 - Goat Anti-DOC2A (aa233-246) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Doc2, doc2-alpha, double C2-like domain-containing protein alpha, double C2-like domains, alpha, DOC2A

**Official Symbol:** DOC2A

**Accession Number(s):** NP\_003577.2

**Human GeneID(s):** [8448](#)

**Non-Human GeneID(s):** 13446 (mouse), 65031 (rat)

### Immunogen

Peptide with sequence SCYLKELEQAEQGQ, from the internal region of the protein sequence according to NP\_003577.2.

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 1:16000.

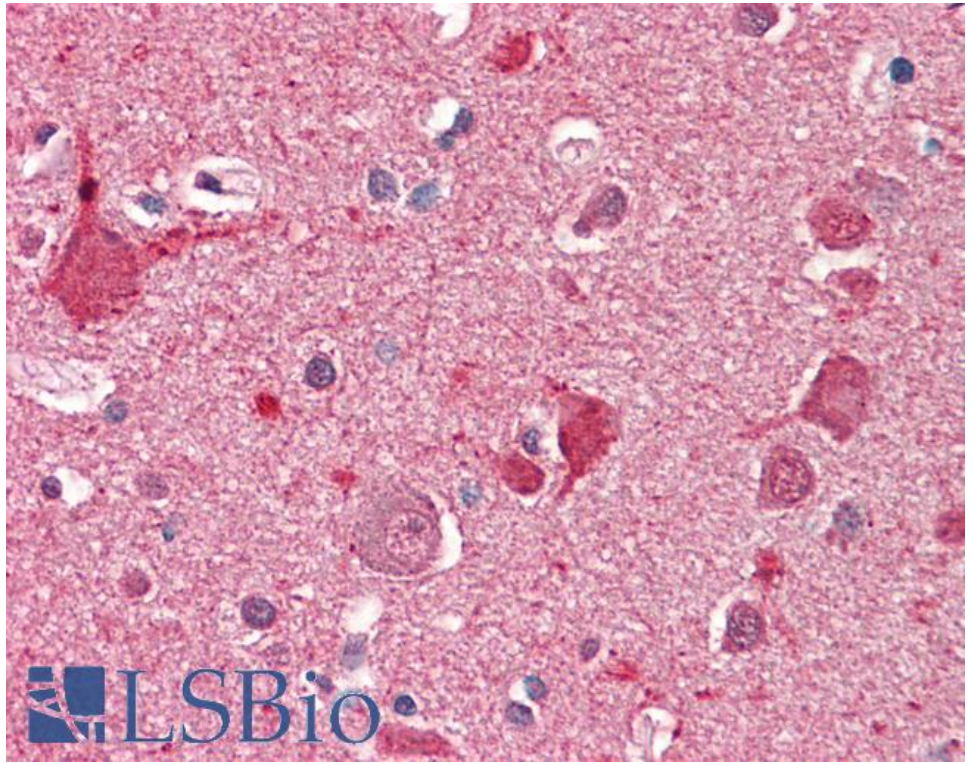
**Western blot:** Preliminary experiments gave an approx 50kDa band in Human, Mouse and Rat Brain lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 44kDa according to NP\_003577.2. The 50kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

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



EB11130 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.