

## UK Office

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

## EB11350 - Goat Anti-HMHA1 (aa57-71) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HA-1, histocompatibility (minor) HA-1, HLA-HA1, KIAA0223, minor histocompatibility antigen HA-1, minor histocompatibility protein HA-1, HMHA1

**Official Symbol:** ARHGAP45

**Accession Number(s):** NP\_036424.2

**Human GeneID(s):** [23526](#)

**Non-Human GeneID(s):** 70719 (mouse), 314618 (rat)

**Important Comments:** To avoid confusion please note that this antibody is designed to recognise the whole protein as coded by NP\_036424.2 and won't recognise the peptide found eluted from HLA-A\*0201 molecules by den Haan et al (Science. 1998 Feb 13;279(5353):1054-7, PMID: 9461441)

### Immunogen

Peptide with sequence KATGTLKRPTSLSRH-C, from the N Terminus of the protein sequence according to NP\_036424.2.

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 1:128000.

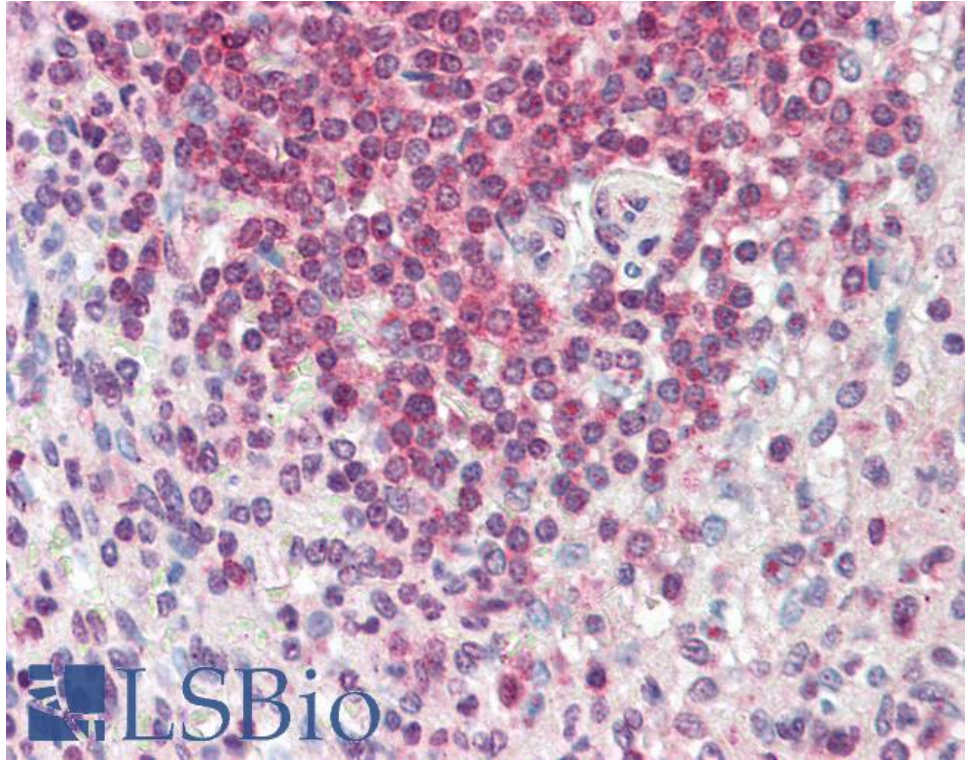
**Western blot:** Preliminary experiments gave an approx 200kDa band in lysates of cell lines Jurkat and Molt4 after 0.05µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 125kDa according to NP\_036424.2. The 200kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

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



EB11350 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.