



## UK Office

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

## EB09106 - Goat Anti-Desmin Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DES, desmin, CMD1I, CSM1, CSM2, FLJ12025, FLJ39719, FLJ41013, FLJ41793, intermediate filament protein

**Official Symbol:** DES

**Accession Number(s):** NP\_001918.3

**Human GeneID(s):** [1674](#)

**Non-Human GeneID(s):** 13346 (mouse), 64362 (rat)

### Immunogen

Peptide with sequence C-RDGEVVSEATQQQHE, from the C Terminus of the protein sequence according to NP\_001918.3.

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:** Approx. 55-60kDa band observed in Human and Mouse Skeletal Muscle lysates and in Human Heart lysates (calculated MW of 53.5kDa according to Human NP\_001918.3, and Mouse NP\_034173.1). Preliminary testing showed a band at approx 60kDa in Rat and Pig Skeletal muscle lysate. Recommended concentration: 0.01-0.3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Heart. Recommended concentration: 4-6µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

EB09106 (0.01µg/ml) staining of Human Skeletal Muscle (A) and (0.3ug/ml) Heart (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09106 (0.1µg/ml) staining of Mouse Skeletal Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09106 (6µg/ml) staining of paraffin embedded Human Heart. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB09106 Negative Control showing staining of paraffin embedded Human Heart, with no primary antibody.