

## UK Office

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

## EB06545 - Goat Anti-LRP6 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** LRP6, low density lipoprotein receptor-related protein 6, low density lipoprotein-related protein 6

**Official Symbol:** LRP6

**Accession Number(s):** NP\_002327.2

**Human GeneID(s):** [4040](#)

**Non-Human GeneID(s):** 16974 (mouse)

**Important Comments:** This antibody is expected to recognise an epitope corresponding to aa 1546-1560 of human LRP6 protein.

### Immunogen

Peptide with sequence CMTSVATAKGYTSDL, from the internal region of the protein sequence according to NP\_002327.2.

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 1:64000.

**Western blot:** Preliminary experiments gave bands at approx 50kDa and 35kDa in Human Adipose lysates after 0.1µg/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 180kDa according to NP\_002327.2. 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).

**IHC:** In paraffin embedded Human Kidney shows luminal membrane staining in DCT. Recommended concentration: 4-6µg/ml.

### Species Reactivity

**Tested:** Human

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

EB06545 (4µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.