

#### **UK Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB09415 - Goat Anti-XPNPEP1 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** XPNPEP1, X-prolyl aminopeptidase (aminopeptidase P) 1, soluble, SAMP, XPNPEP, XPNPEPL, XPNPEPL1, OTTHUMP0000020457,

OTTHUMP00000058856, X-prolyl aminopeptidase (aminopeptidase P) 1, soluble (SAMP,

XPNPEP, XPNPEPL), X-prolyl aminopeptidase (aminopeptidase P)-like

Official Symbol: XPNPEP1

Accession Number(s): NP\_065116.2; NP\_001161076.1

Human GeneID(s): 7511

Non-Human GenelD(s): 170750 (mouse), 170751 (rat)

Important Comments: This antibody is expected to recognize isoform 1 and 2

(NP\_065116.2; NP\_001161076.1).

## **Immunogen**

Peptide with sequence C-LIRETQPISKQH, from the C Terminus of the protein sequence according to NP\_065116.2; NP\_001161076.1.

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: Approx 80kDa band observed in Human Heart, Skeletal Muscle and Pancreas lysates and 75kDa band observed in Mouse and Rat Small Intestines, and 75kDa band observed in Pig Pancreas lysate (calculated MW of 69.9kDa according to NP\_065116.2). Recommended concentration: 0.1-0.3μg/ml. Primary incubation was 1 hour.

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

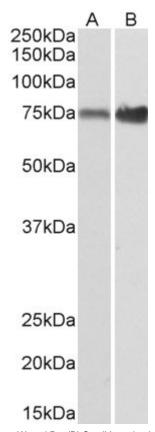
# **Species Reactivity**

Tested: Human, Mouse, Rat, Pig

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



EB09415 (0.3μg/ml) staining of Human Pancreas lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB09415 (0.1 $\mu$ g/ml) staining of Mouse (A) and Rat (B) Small Intestine lysates (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.

250kDa 150kDa 100kDa

75kDa

50kDa

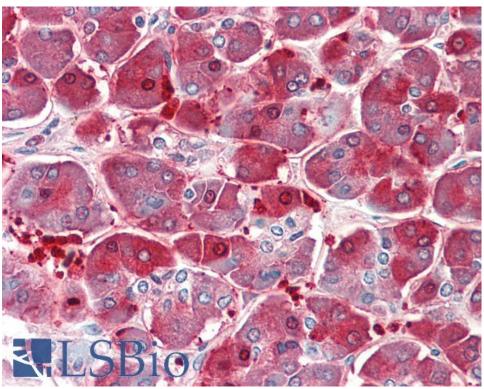
37kDa

25kDa

20kDa

15kDa

EB09415 (0.1μg/ml) staining of Pig Pancreas lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB09415 ( $5\mu g/ml$ ) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.