



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB11413 - Goat Anti-P2rx4 (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AI504491, ATP receptor, AW555605, D5Ertd444e, ionotropic purinergic receptor, OTTMUSP00000023741, OTTMUSP00000023745, OTTMUSP00000023746, OTTMUSP00000023747, P2X purinoceptor 4, P2X4, purinergic receptor P2X, ligand-gated ion channel, 4, P2rx4

**Official Symbol:** P2rx4

**Accession Number(s):** NP\_035156.2

**Human GeneID(s):** [5025](#)

**Non-Human GeneID(s):** 18438 (mouse), 29659 (rat)

### Immunogen

Peptide with sequence C-ETDSVSVSSVTTKAK, from the internal region of the protein sequence according to NP\_035156.2.

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.

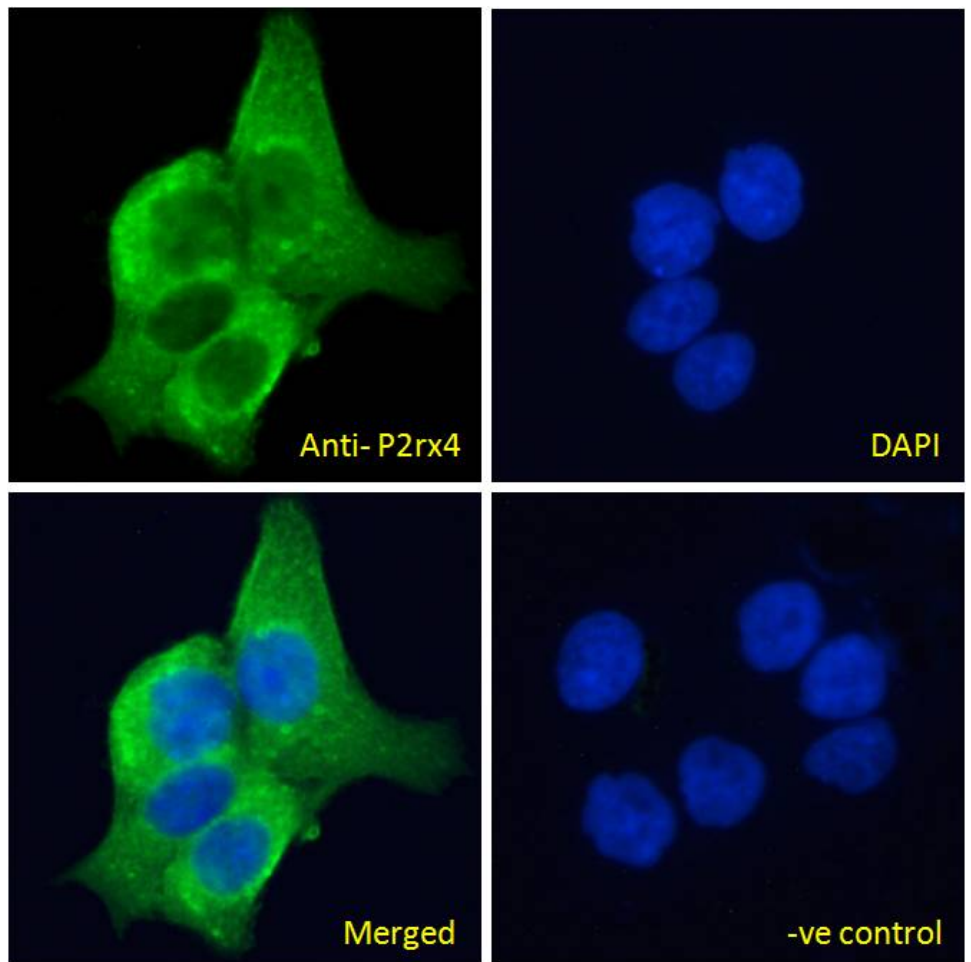
**IHC:** Paraffin embedded Human Colon and Mouse Small Intestine. Recommended concentration: 7µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

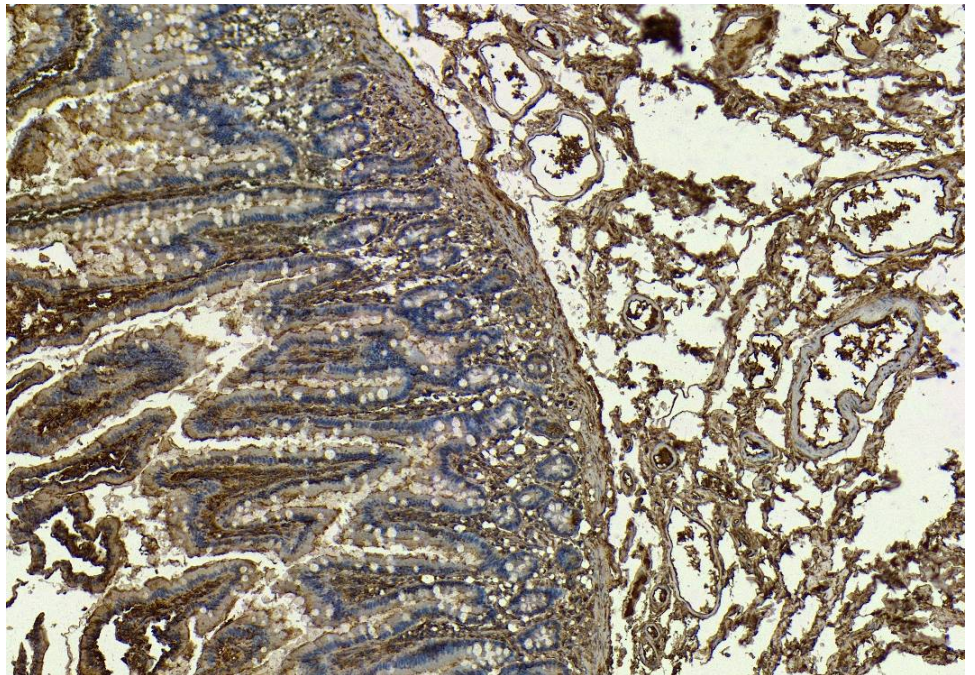
### Species Reactivity

**Tested:** Human, Mouse

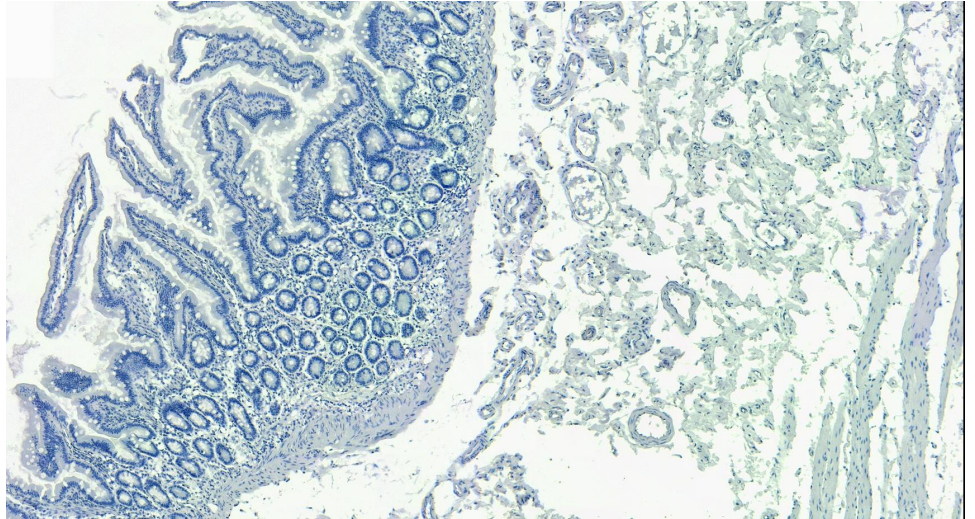
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



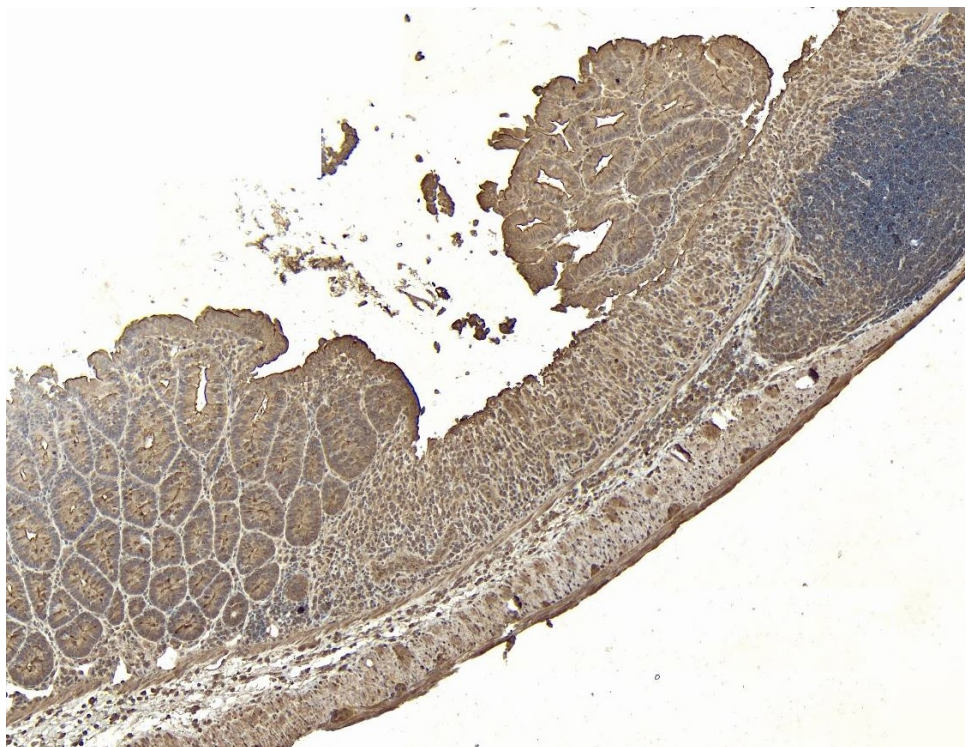
EB11413 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



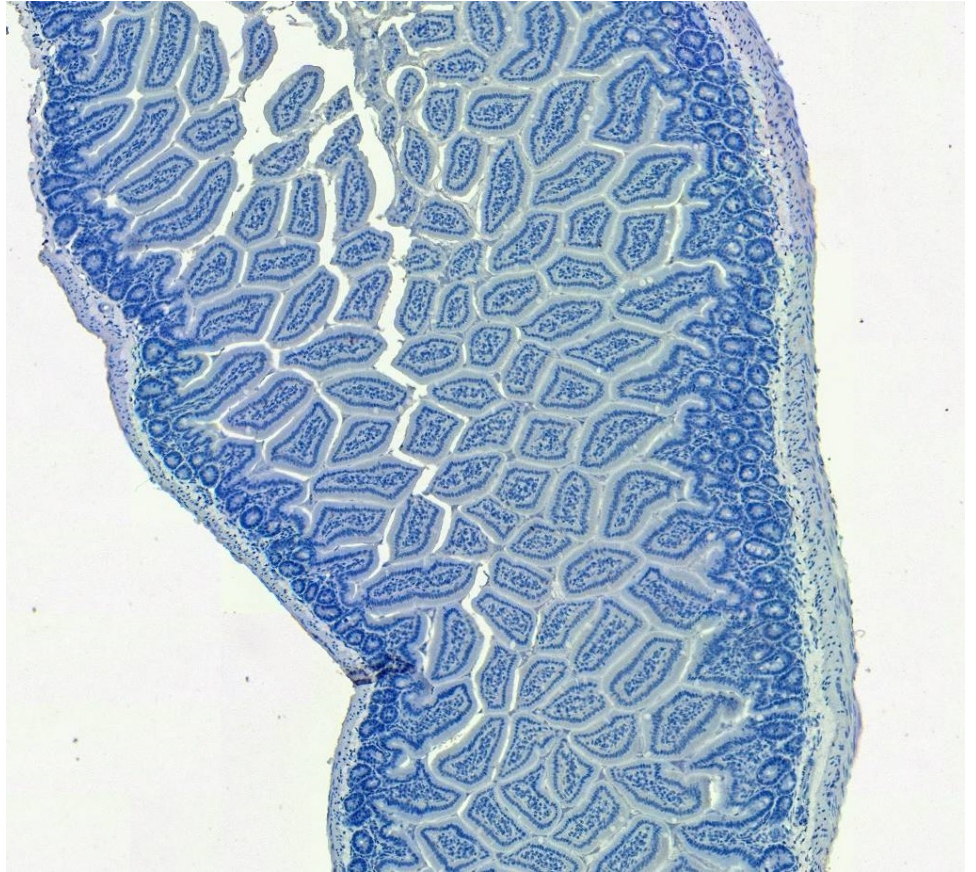
EB11413 (7µg/ml) staining of paraffin embedded Human Colon. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB11413 Negative Control showing staining of paraffin embedded Human Colon, with no primary antibody



EB11413 (7 $\mu$ g/ml) staining of paraffin embedded Mouse Small Intestine. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB11413 Negative Control showing staining of paraffin embedded Mouse Small Intestine, with no primary antibody.