

## Product datasheet

### Human ENT1 peptide ab48606

1 Image

#### Description

Product name	Human ENT1 peptide
Purity	> 90 % HPLC.
Accession	<u>Q99808</u>
Animal free	No
Nature	Synthetic
Species	Human

#### Specifications

Our **Abpromise guarantee** covers the use of **ab48606** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Blocking
Form	Liquid
Additional notes	<ul style="list-style-type: none"> <li>- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.</li> <li>- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.</li> <li>- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.</li> <li>- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.</li> <li>- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.</li> </ul>

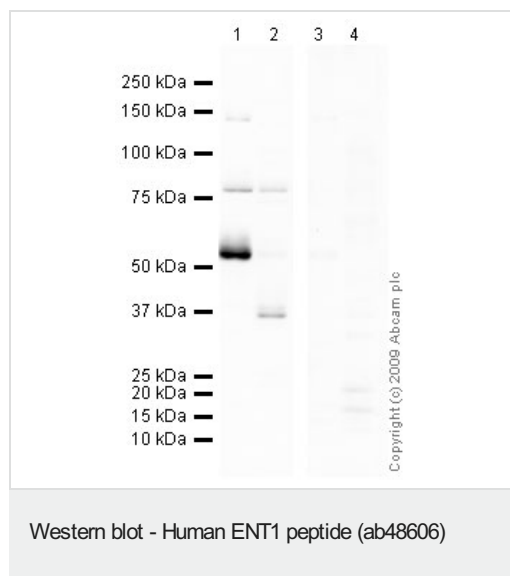
#### Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</p> <p>Information available upon request.</p>
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## General Info

<b>Function</b>	Mediates both influx and efflux of nucleosides across the membrane (equilibrative transporter). It is sensitive (ES) to low concentrations of the inhibitor nitrobenzylmercaptapurine riboside (NBMPR) and is sodium-independent. It has a higher affinity for adenosine. Inhibited by dipyridamole and dilazep (anticancer chemotherapeutics drugs).
<b>Tissue specificity</b>	Expressed in heart, brain, mammary gland, erythrocytes and placenta, and also in fetal liver and spleen.
<b>Sequence similarities</b>	Belongs to the SLC29A transporter family.
<b>Post-translational modifications</b>	Glycosylated.
<b>Cellular localization</b>	Basolateral cell membrane. Apical cell membrane. Predominantly localized in the basolateral membrane in polarised MDCK cells.

## Images



**All lanes :** Anti-ENT1 antibody ([ab48607](#)) at 2 µg/ml

**Lane 1 :** Human heart tissue lysate - total protein ([ab29431](#))

**Lane 2 :** Human brain tissue lysate - total protein ([ab29466](#))

**Lane 3 :** Human heart tissue lysate - total protein ([ab29431](#)) with Human ENT1 peptide (ab48606) at 2 µg/ml

**Lane 4 :** Human brain tissue lysate - total protein ([ab29466](#)) with Human ENT1 peptide (ab48606) at 2 µg/ml

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

**Exposure time:** 4 minutes

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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