abcam

Product datasheet

Human ENT1 peptide ab48606

1 Image

Description

Product name	Human ENT1 peptide
Purity	> 90 % HPLC.
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	*- 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.* *- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.* *- 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.* *- 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.* *- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.*

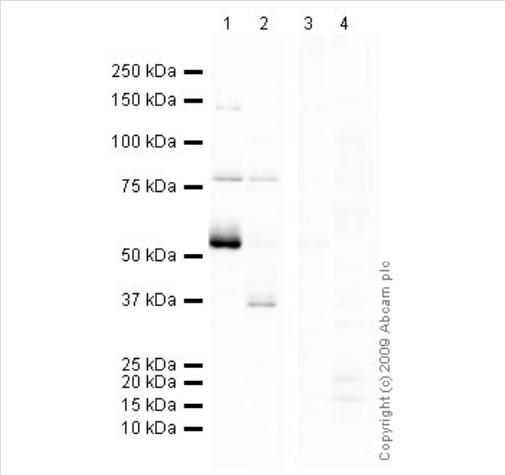
Preparation and Storage

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

General Info

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

Images



Western blot - Human ENT1 peptide (ab48606)

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

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