abcam

Product datasheet

Mouse LMX1A peptide ab31005

1 Image

Description

Product name Mouse LMX1A peptide

Purity > 90 % HPLC.

Animal free No

Nature Synthetic

Species Mouse

Specifications

Our **Abpromise guarantee** covers the use of **ab31005** 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

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Function Acts as a transcriptional activator by binding to an A/T-rich sequence, the FLAT element, in the

insulin gene promoter. Required for development of the roof plate and, in turn, for specification of

dorsal cell fates in the CNS and developing vertebrae.

Tissue specificity Isoform 1 is expressed in many tissues. Not found in heart, liver, spleen and testis. Relatively

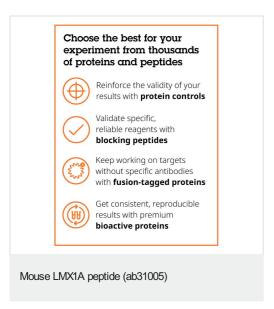
highly expressed in fetal brain. Isoform LMX1A-4B is expressed in testis.

Sequence similarities Contains 1 homeobox DNA-binding domain.

Contains 2 LIM zinc-binding domains.

Cellular localization Nucleus.

Images



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