

Product datasheet

Human beta Actin peptide ab13772

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Description

Product name	Human beta Actin peptide
Purity	> 90 % HPLC.
Accession	<u>P60709</u>
Animal free	No
Nature	Synthetic
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab13772** in the following tested applications.

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

Applications	Blocking - Blocking peptide for Anti-beta Actin antibody [mAbcam 8224] - Loading Control (<u>ab8224</u>), Anti-beta Actin antibody [mAbcam 8226] - Loading Control (<u>ab8226</u>), Anti-beta Actin antibody (<u>ab8227</u>), Anti-beta Actin antibody - Loading Control (<u>ab8229</u>)
Form	Lyophilized
Additional notes	<ul style="list-style-type: none">- 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.

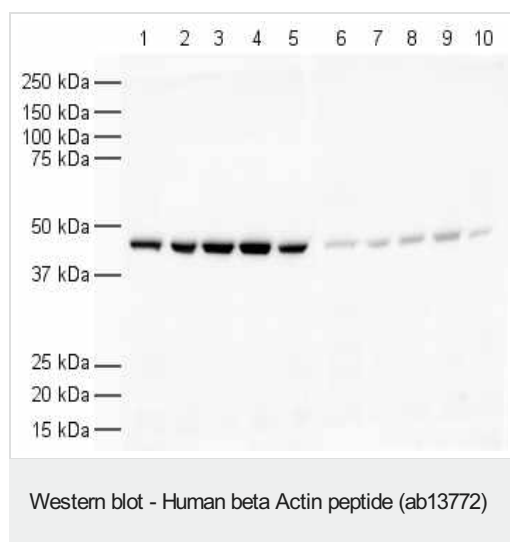
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Information available upon request.
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General Info

Function	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
Involvement in disease	Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ) [MIM:607371]. DYTJ is a form of dystonia with juvenile onset. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYTJ patients manifest progressive, generalized, dopa-unresponsive dystonia, developmental malformations and sensory hearing loss.
Sequence similarities	Belongs to the actin family.
Post-translational modifications	ISGylated.
Cellular localization	Cytoplasm > cytoskeleton. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



All lanes : Anti-beta Actin antibody ([ab8227](#)) at 1/1000 dilution

Lane 1 : HeLa nuclear lysate

Lane 2 : HeLa whole cell lysate

Lane 3 : A431 cell lysate

Lane 4 : Jurkat cell lysate

Lane 5 : HEK 293 cell lysate

Lane 6 : HeLa nuclear lysate with Human beta Actin peptide (ab13772) at 1 µg/ml

Lane 7 : HeLa whole cell lysate with Human beta Actin peptide (ab13772) at 1 µg/ml

Lane 8 : A431 cell lysate with Human beta Actin peptide (ab13772) at 1 µg/ml

Lane 9 : Jurkate cell lysate with Human beta Actin peptide (ab13772) at 1 µg/ml

Lane 10 : HEK 293 cell lysate with Human beta Actin peptide (ab13772) at 1 µg/ml

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab6721](#)) at 1/5000 dilution

Exposure time: 5 seconds

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

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