


Product datasheet

Anti-BLBP antibody - Neuronal Marker ab27171

★★★★☆ 6 Abreviews 13 References 3 Images

Overview

Product name	Anti-BLBP antibody - Neuronal Marker
Description	Rabbit polyclonal to BLBP - Neuronal Marker
Tested applications	Suitable for: IHC-FoFr, IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Human, Zebrafish Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Pig 
Immunogen	Synthetic peptide: NFDEYMKALG VGFATRQVGN VTKPTVIISQ EGDKVVIRTLL , corresponding to amino acids 16-65 of Human Fatty Acid Binding Protein 7 Run BLAST with ExPASy Run BLAST with NCBI

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab27171** in the following tested applications.

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

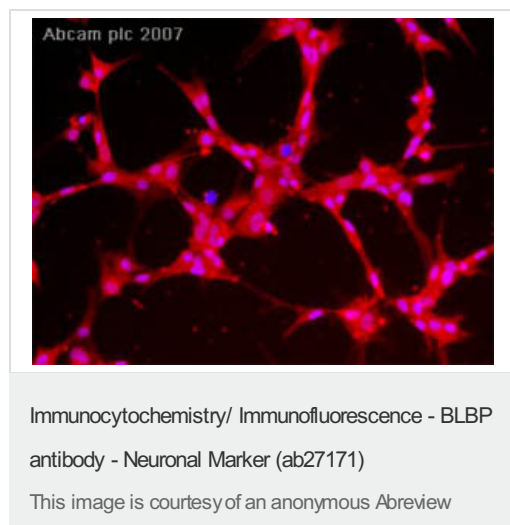
Application	Abreviews	Notes
IHC-FoFr		Use at an assay dependent concentration.
IHC-P		1/100.

Application	Abreviews	Notes
ICC/IF	★★★★☆	1/200. Fix cells with paraformaldehyde and block with BSA.
WB	★★★★☆	Use a concentration of 1.25 µg/ml. Predicted molecular weight: 15 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

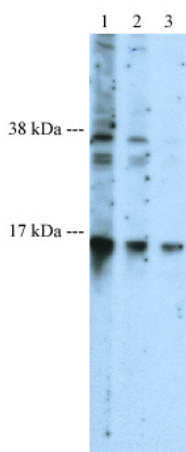
Target

Function	B-FABP could be involved in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. It is required for the establishment of the radial glial fiber system in developing brain, a system that is necessary for the migration of immature neurons to establish cortical layers.
Tissue specificity	Expressed in brain and other neural tissues.
Sequence similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Domain	Forms a beta-barrel structure that accommodates the hydrophobic ligand in its interior.
Cellular localization	Cytoplasm.

Images



ab27171 at 1/200 staining human foetal neural precursors by ICC/IF. The cells were paraformaldehyde fixed, blocked with BSA and incubated with the antibody for 12 hours. An Alexa Fluor® 594 conjugated goat anti-rabbit IgG was used as the secondary. Human neurons and astrocytes derived from neural precursors were used as the negative control. ab27171 has weak non-specific staining of the nucleolus however staining of the cytoplasm has not been detected in negative controls.



Western blot - BLBP antibody - Neuronal Marker (ab27171)

Lane 1 : Anti-BLBP antibody - Neuronal Marker (ab27171) at 5 µg/ml

Lane 2 : Anti-BLBP antibody - Neuronal Marker (ab27171) at 2.5 µg/ml

Lane 3 : Anti-BLBP antibody - Neuronal Marker (ab27171) at 1.25 µg/ml

Lane 1 : Lysate prepared from human fetal brain

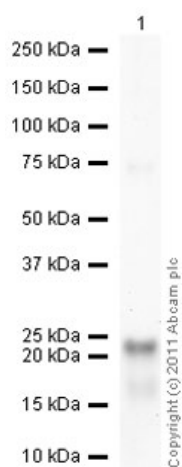
Lane 2 : Lysate prepared from human fetal brain

Lane 3 : Lysate prepared from human fetal brain

Lysates/proteins at 25 µg per lane.

Predicted band size : 15 kDa

Observed band size : 15 kDa



Western blot

Anti-BLBP antibody - Neuronal Marker (ab27171) at 1.25 µg/ml + Recombinant Human BLBP protein (ab83028) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique

Performed under reducing conditions.

Exposure time : 8 minutes

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