

Product datasheet

Anti-BLBP antibody - Neuronal Marker ab27171

★★★★☆ 5 Abreviews 14 References 2 Images

Overview

Product name	Anti-BLBP antibody - Neuronal Marker
Description	Rabbit polyclonal to BLBP - Neuronal Marker
Host species	Rabbit
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 within Human BLBP aa 15-64 (N terminal). The exact sequence is proprietary. Numbering is based off mature sequence

Sequence:

NFDEYMKALGVGFATRQVGNVTKPTVIISQEGDKVVIRTLSTFKNTEISF

Database link: [O15540](#)

[Run BLAST with](#)

[Run BLAST with](#)

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: 0.09% Sodium azide 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.

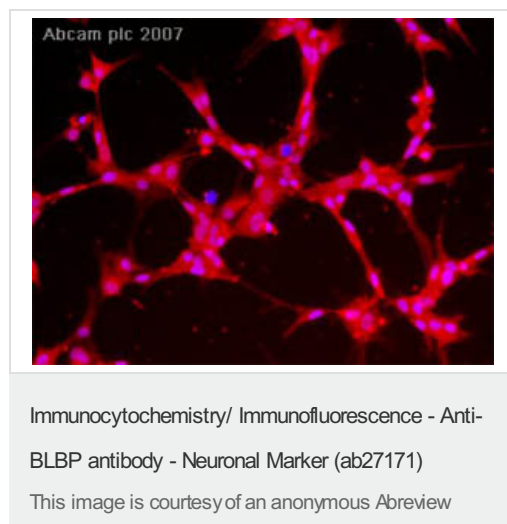
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

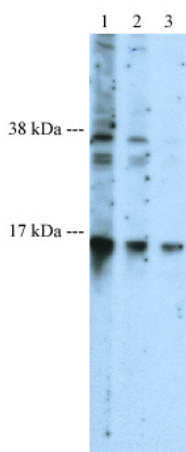
Target

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 - Anti-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

All lanes : Lysate prepared from human fetal
brain

Lysates/proteins at 25 µg per lane.

Predicted band size: 15 kDa

Observed band size: 15 kDa

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