

## Product datasheet

# Anti-BLBP antibody - Neuronal Marker ab27171

★★★★☆ 5 Abreviews 14 References 2 Images

### Overview

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<b>Product name</b>	Anti-BLBP antibody - Neuronal Marker
<b>Description</b>	Rabbit polyclonal to BLBP - Neuronal Marker
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-FoFr, IHC-P, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Zebrafish <b>Predicted to work with:</b> 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

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

### Applications

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

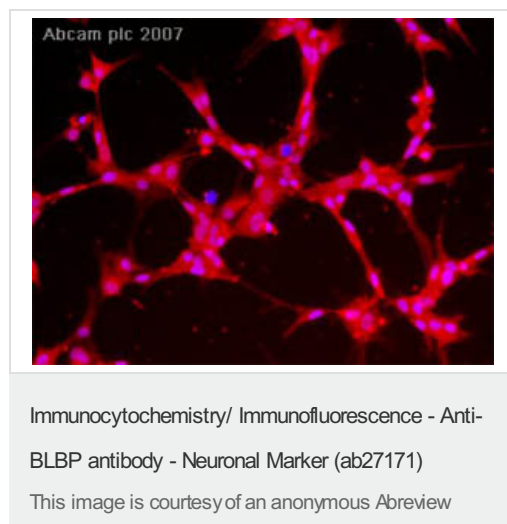
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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.

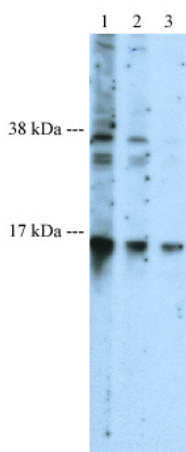
## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed in brain and other neural tissues.
<b>Sequence similarities</b>	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
<b>Domain</b>	Forms a beta-barrel structure that accommodates the hydrophobic ligand in its interior.
<b>Cellular localization</b>	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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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