

DATASHEET

Version: 2016-08-17

BLBP Antibody, pAb, Rabbit

Cat. No.: A01422-40

Size: 40 µg

Synonyms: Brain lipid binding protein antibody;

Description:

BLBP (Brain lipid binding protein) belongs to a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. The BLBP family plays essential roles in fatty acid uptake, transport, and metabolism. BLBP can be used as a molecular marker for radial glia (a major neural progenitor cell type and a scaffold supporting neuronal migration) in the developing central nervous system.

GenScript **Rabbit Anti-BLBP Polyclonal Antibody** is developed in rabbit using purified His-tagged human BLBP (Swiss Prot: Q9H047) full length recombinant protein.

Immunogen: Purified His-tagged human BLBP (Swiss Prot: Q9H047) full length recombinant protein

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-BLBP Polyclonal Antibody detects human BLBP protein.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 1-2 µg/ml

Flow cytometry: 1-3 µg for 1 x 10⁶ cells

Other Applications: user-optimized

Species Reactivity: Human

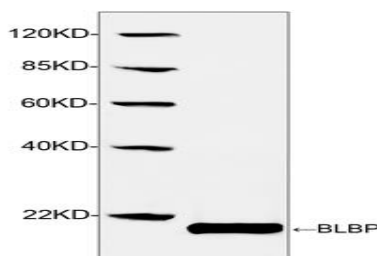
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

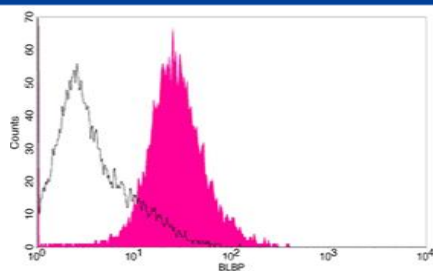
Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of human BLBP protein using 1 µg/ml Rabbit Anti-BLBP Polyclonal Antibody (GenScript, A01422). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 15 KD
Observed Size: 15 KD



Flow cytometric analysis of Ramos cells using BLBP Antibody, pAb, Rabbit (GenScript, A01422; shade histogram) or with an isotype control antibody (GenScript, A01008; open histogram), followed by R-PE conjugated anti-rabbit IgG.