



Rabbit Anti-IGBP1 antibody

SL0298R

Product Name:	IGBP1
Chinese Name:	免疫球蛋白Binding protein-1抗体
Alias:	Alpha 4; B cell signal transduction molecule alpha 4; B-cell signal transduction molecule alpha 4; bA351K23.1; CD79a binding protein 1; CD79a-binding protein 1; IBP 1; IBP1; IGBP 1; Igbp1; IGBP1_HUMAN; Immunoglobulin (CD79A) binding protein 1; Immunoglobulin binding protein 1; Immunoglobulin-binding protein 1; Protein alpha 4; Protein alpha-4; Protein phosphatase 2A regulatory subunit alpha 4; Renal carcinoma antigen NY REN 16; Renal carcinoma antigen NY-REN-16.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Immunoglobulin binding protein 1:151-250/339
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The proliferation and differentiation of B cells is dependent upon a B-cell antigen

receptor (BCR) complex. Binding of antigens to specific B-cell receptors results in a tyrosine phosphorylation reaction through the BCR complex and leads to multiple signal transduction pathways. [provided by RefSeq, Jul 2008].

Function:

Associated to surface IgM-receptor; may be involved in signal transduction. Involved in regulation of the catalytic activity of PP2A, PP4 and PP6 phosphatases catalytic subunits by protecting them from degradative polyubiquitination until they associate with regulatory subunits.

Subunit:

Associates with PP2A-alpha and PP2A-beta catalytic subunits, and with PP4 and PP6. Interacts with MID1 and MID2. Interacts with Ubiquitin.

Subcellular Location:

Cytoplasm (Potential).

Tissue Specificity:

Ubiquitously expressed with highest levels in heart, skeletal muscle and pancreas.

Post-translational modifications:

Phosphorylated.

Monoubiquitination by MID1 triggers calpain-mediated cleavage and switches IGBP1 activity from protective to destructive.

DISEASE:

Mental retardation, X-linked, syndromic, 28 (MRXS28) [MIM:300472]: A mental retardation syndrome characterized by agenesis of the corpus callosum, coloboma of the iris and optic nerve, severe retrognathia, and intellectual deficit. Mental retardation is defined by significantly below average general intellectual functioning associated with impairments in adaptive behavior and manifested during the developmental period. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the IGBP1/TAP42 family.

Contains 1 UIM (ubiquitin-interacting motif) repeat.

SWISS:

P78318

Gene ID:

3476

Database links:

[Entrez Gene: 3476](#)Human

[Entrez Gene: 18518](#)Mouse

[Entrez Gene: 58845](#)Rat

[Omim: 300139](#)Human

[SwissProt: P78318](#)Human

[SwissProt: Q61249](#)Mouse

[SwissProt: O08836](#)Rat

[Unigene: 496267](#)Human

[Unigene: 7454](#)Mouse

[Unigene: 7079](#)Rat

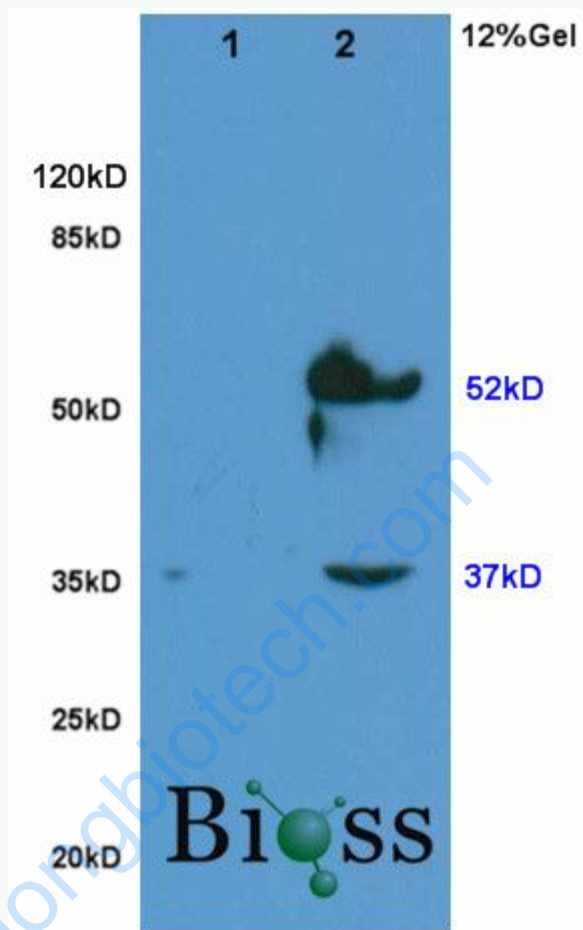
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD79a表达于从前B细胞到浆细胞的整个B细胞发育阶段。

CD79a与CD79b构成B细胞受体复合体, 在介导IgM从细胞内转到The cell membrane上起重要作用。CD79a是B细胞常用标记物。CD79复合物是异二聚体分子, 由CD79a/mb-1和CD79b/B29组成。在B细胞表面非共价地与膜结合的免疫球蛋白相连, 构成B细胞抗原受体。在大多数前B细胞急性lymphocyte白血病、B细胞系、B细胞淋巴瘤和某些骨髓瘤中发现有CD79a的存在。主要用于Blymphocyte的判断和B细胞淋巴瘤的诊断。

Picture:



Sample:

Liver(Mouse) lysate at 30ug;

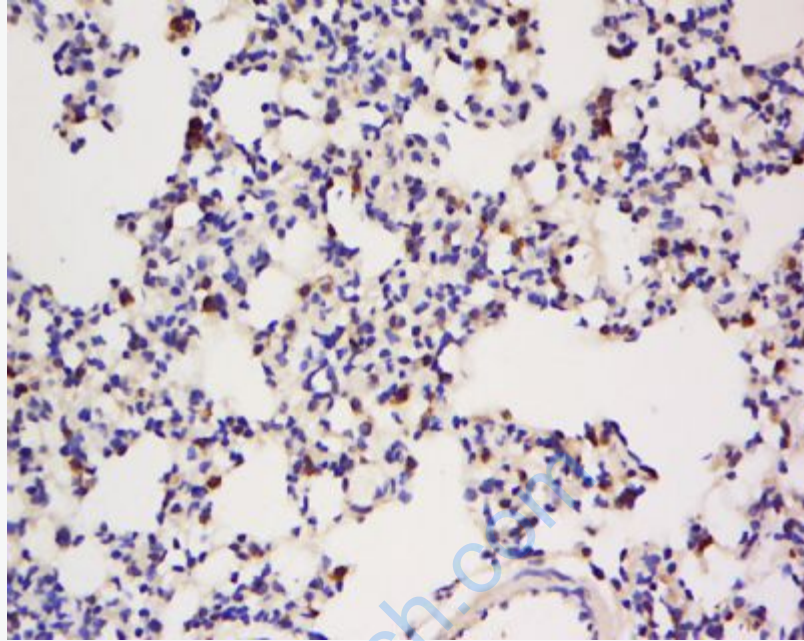
Brain(Rat) lysates, 30ug;

Primary: Anti-IGBP-1 (SL0298R) at 1:200;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000;

Predicted band size : 37kD

Observed band size : 37kD, 52kD



Tissue/cell: Rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-IGBP1 Polyclonal Antibody, Unconjugated(SL0298R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining