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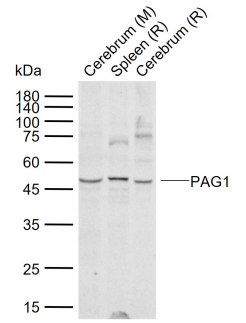
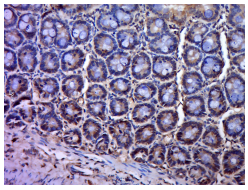
PAG1 Rabbit pAb

Catalog Number:	bs-13695R
Target Protein:	PAG1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Mouse, Rat (predicted:Human, Rabbit, Dog, Horse)
Predicted MW:	47 kDa
Subcellular Locations:	Cell membrane
Entrez Gene:	55824
Swiss Prot:	Q9NWQ8
Source:	KLH conjugated synthetic peptide derived from human PAG1: 331-432/432.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	The Src family of protein tyrosine kinases (Src-PTKs) is important in the regulation of growth and differentiation of eukaryotic cells. The activity of Src-PTKs in cells of different types is negatively controlled by Csk. Csk binding protein (Cbp), also designated phosphoprotein associated with glycosphingo-lipid-enriched microdomains (GEMs) or PAG, is a ubiquitously expressed transmembrane phosphoprotein that binds specifically to the SH2 domain of Csk. Cbp is involved in the membrane localization of Csk and in Csk-mediated inhibition of c-Src. In the plasma membrane, Cbp is exclusively localized in the GM1 ganglioside-enriched detergent-insoluble membrane domain, which is important in receptor-mediated signaling. Cbp is a component of the regulatory mechanism controlling the activity of membrane-associated Src-PTKs.

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Spleen tissue lysates Lane 3: Rat Cerebrum tissue lysates Primary: Anti-PAG1 (bs-13695R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kDa Observed band size: 47 kDa



Paraformaldehyde-fixed, paraffin embedded (Rat small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phosphoprotein associated with glycosphingolipid enriched microdomains 1; PAG1) Polyclonal Antibody, Unconjugated (bs-13695R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.