



XPLN Monoclonal Antibody

Catalog No	YP-mAb-16258
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ARHGEF3
Immunogen	The antiserum was produced against synthesized peptide derived from human ARHGEF3. AA range:456-505
Specificity	XPLN Monoclonal Antibody detects endogenous levels of XPLN protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	124I24Rik;59.8 kDA protein;983169H3Rik;ARHGEF 3;C76747; DKFZP434F2429;Exchange factor found in platelets and leukemic and neuronal tissues;Exchange factor found in platelets and leukemic and neuronal tissues XPLN;FLJ98126;GEF 3;GEF3;MGC11895;Rho guanine nucleotide exchange factor (GEF) 3;Rho guanine nucleotide exchange factor 3;RhoGEF protein;STA 3;STA3;XPLN;ARHGEF3
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Widely expressed. Highest levels are found in adult brain and skeletal muscle. Lower levels are found in heart and kidney.
Function	function:Acts as guanine nucleotide exchange factor (GEF) for RhoA and RhoB GTPases.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,subunit:Interacts with RHOA and RHOB.,tissue specificity:Widely expressed. Highest levels are found in adult brain and skeletal muscle. Lower levels are found in heart and kidney.,



Background

Rho-like GTPases are involved in a variety of cellular processes, and they are activated by binding GTP and inactivated by conversion of GTP to GDP by their intrinsic GTPase activity. Guanine nucleotide exchange factors (GEFs) accelerate the GTPase activity of Rho GTPases by catalyzing their release of bound GDP. This gene encodes a guanine nucleotide exchange factor, which specifically activates two members of the Rho GTPase family: RHOA and RHOB, both of which have a role in bone cell biology. It has been identified that genetic variation in this gene plays a role in the determination of bone mineral density (BMD), indicating the implication of this gene in postmenopausal osteoporosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

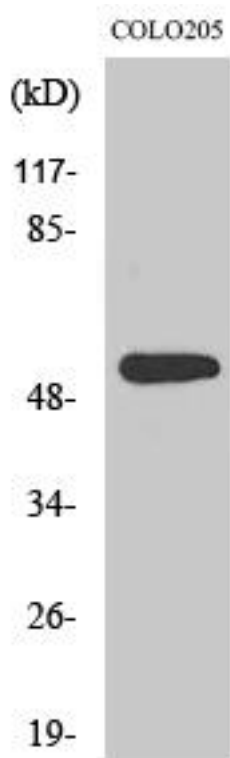
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using XPLN Monoclonal Antibody