



FACR1 mouse mAb

Catalog No	YP-mAb-11455
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	FAR1 MLSTD2 UNQ2423/PRO4981
Protein Name	FACR1
Immunogen	Synthesized peptide derived from human FACR1 AA range: 135-185
Specificity	This antibody detects endogenous levels of FACR1 at Human/Mouse/Rat
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	
Observed Band	
Cell Pathway	Peroxisome membrane ; Single-pass membrane protein .
Tissue Specificity	
Function	catalytic activity:Fatty acyl-CoA + 2 NADPH = fatty alcohol + 2 NADP(+).,function:Catalyzes the reduction of saturated fatty acyl-CoA with chain length C16 or C18 to fatty alcohols.,similarity:Belongs to the fatty acyl-CoA reductase family.,
Background	The protein encoded by this gene is required for the reduction of fatty acids to fatty alcohols, a process that is required for the synthesis of monoesters and ether lipids. NADPH is required as a cofactor in this reaction, and 16-18 carbon saturated and unsaturated fatty acids are the preferred substrate. This is a peroxisomal membrane protein, and studies suggest that the N-terminus contains a large catalytic domain located on the outside of the peroxisome, while the C-terminus is exposed to the matrix of the peroxisome. Studies indicate that the regulation of this protein is dependent on plasmalogen levels. Mutations in this gene have been associated with individuals affected by severe intellectual disability, early-onset epilepsy, microcephaly, congenital cataracts, growth retardation, and spasticity (PMID: 25439727). A pseudogene of this gene is



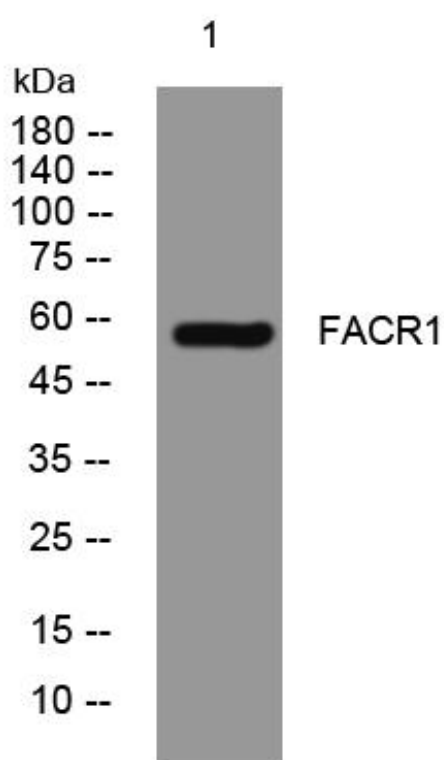
located on chromosome 13. [provided by RefSeq, Jan 2015],

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 FACR1 mouse mAb