

FACR1 rabbit pAb

Catalog No :	YT6820
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	FACR1
Fields :	>>Peroxisome
Gene Name :	FAR1 MLSTD2 UNQ2423/PRO4981
Protein Name :	FACR1
Human Gene Id :	84188
Human Swiss Prot No :	Q8WVX9
Mouse Gene Id :	67420
Mouse Swiss Prot No :	Q922J9
Rat Gene Id :	293173
Rat Swiss Prot No :	Q66H50
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1[?]500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

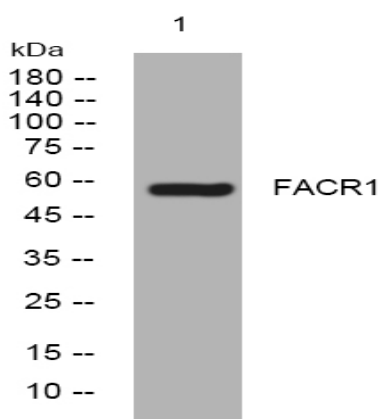
Molecularweight : 57kD

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],

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.,

Subcellular Location : Peroxisome membrane ; Single-pass membrane protein .

Products Images



Western blot analysis of lysates from HeLa cells, primary antibody was diluted at 1:1000, 4° over night