



# FACR1 rabbit pAb

<b>Catalog No</b>	YP-Ab-11455
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB
<b>Gene Name</b>	FAR1 MLSTD2 UNQ2423/PRO4981
<b>Protein Name</b>	FACR1
<b>Immunogen</b>	Synthesized peptide derived from human FACR1 AA range: 135-185
<b>Specificity</b>	This antibody detects endogenous levels of FACR1 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit, IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Peroxisome membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	
<b>Function</b>	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.,
<b>Background</b>	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],

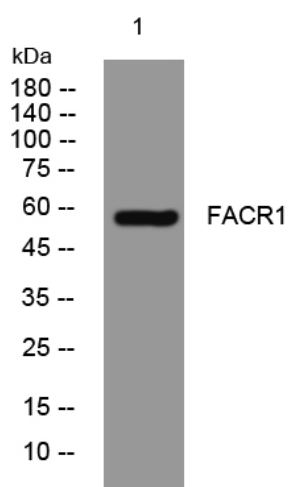
**matters needing attention**

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