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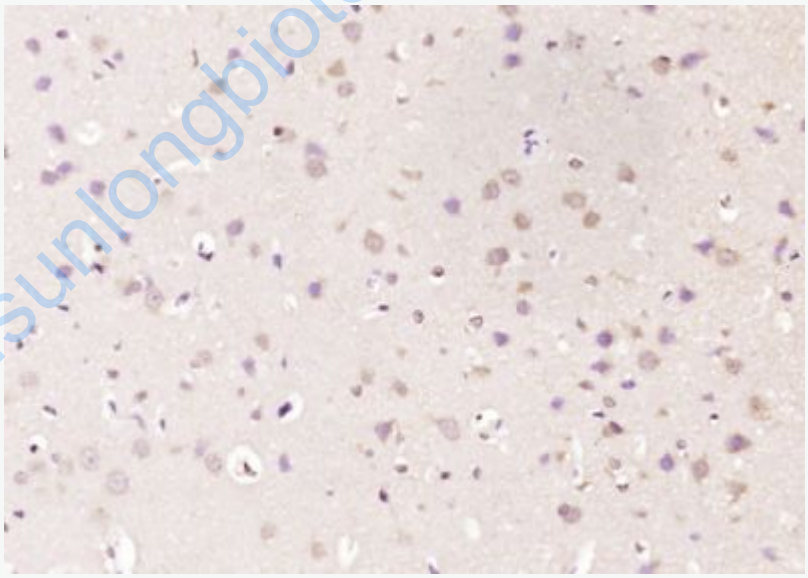
Rabbit Anti-DLK1 antibody

SL4556R

Product Name:	DLK1
Chinese Name:	穿膜蛋白DLK1抗体(C端)
Alias:	Adipocyte differentiation inhibitor protein; Brevideltin; Delta like 1 homolog; Delta like homolog; Delta like protein; Delta1; DLK 1; DLK; DLK-1; Dlk1; DLK1_HUMAN; FA 1; FA1; Fetal antigen 1; pG2; Preadipocyte factor 1; Pref 1; Pref; Pref1; Pref-1; Protein delta homolog 1; Secredeltin; ZOG; Delta1; PREF1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from sheep DLK1:301-381/383<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a transmembrane protein containing six epidermal growth factor repeats. The protein is involved in the differentiation of several cell types, including adipocytes; it is also thought to be a tumor suppressor. It is one of several imprinted

	genes located in a region of on chr 14q32. Certain mutations in this imprinted region can cause phenotypes similar to maternal and paternal uniparental disomy of chromosome 14 (UPD14). This gene is expressed from the paternal allele. A polymorphism within this gene has been associated with child and adolescent obesity. The mode of inheritance for this polymorphism is polar overdominance; this non-Mendelian inheritance pattern was first described in sheep with the callipyge phenotype, which is characterized by muscle hypertrophy and decreased fat mass. [provided by RefSeq, Mar 2010]. **Function:** May have a role in neuroendocrine differentiation. Inhibits adipocyte differentiation. **Subunit:** Monomer. **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Tissue Specificity:** Highly expressed in fetal liver, placenta, adult adrenal gland, brain, testis and ovary and, to a lesser degree, in adult kidney, muscle, thymus and heart. **Post-translational modifications:** N- and O-glycosylated. **Similarity:** Contains 6 EGF-like domains. **SWISS:** P80370 **Gene ID:** 8788 **Database links:** Entrez Gene: 641301 sheep Entrez Gene: 281117Cow Entrez Gene: 8788Human Entrez Gene: 13386Mouse Entrez Gene: 114587Rat Omim: 176290Human SwissProt: P80370Human

	SwissProt: Q09163Mouse Unigene: 533717Human Unigene: 157069Mouse Unigene: 14547Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 穿膜蛋白DLK1又称肝癌相关基因，是表皮生长因子(EGF)家族的成员之一,其结构特征为蛋白的细胞外区域拥有在结构及氨基酸序列上与表皮生长因子高度同源的重复结构.DLK1可以抑制脂肪前体细胞向脂肪Cell differentiation,在正常神经内分泌细胞及其Tumour细胞中表达,DLK1在神经内分泌轴中起着调控细胞生长分化的作用,同时DLK1在胚胎肝、造血Stem cells及早期肌肉组织中均有表达。
Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (DLK1) Polyclonal Antibody, Unconjugated (SL4556R) at 1:200 overnight at 4°C, followed by operating according to SP

	Kit(Rabbit) (sp-0023) instructionsand DAB staining.