

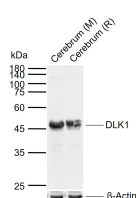
**bs-4556R****[ Primary Antibody ]****BioSS**  
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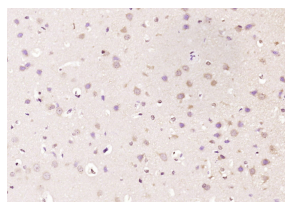
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**DLK1 Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**Target:** DLK1**Immunogen:** KLH conjugated synthetic peptide derived from sheep DLK1: 301-381/383. < Cytoplasmic >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** 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].**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Mouse, Rat  
(predicted: Human, Rabbit, Sheep)**Predicted MW.:** 42 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Cerebrum tissue lysates  
 Lane 2: Rat Cerebrum tissue lysates  
 Primary: Anti-DLK1 (bs-4556R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 42 kDa  
 Observed band size: 45 kDa



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 (bs-4556R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.6]** Xin Lu. et al. Effects of Adipose Tissue-Specific Knockout of Delta-like Non-Canonical Notch Ligand 1 on Lipid Metabolism in Mice. INT J MOL SCI. 2024 Jan;25(1):132 WB,IHC ;Mouse. 10.3390/ijms25010132
- **[IF=2.323]** Mengyan Wang. et al. Analysis of the Bovine DLK1 Gene Polymorphism and Its Relation to Lipid Metabolism in Chinese Simmental. Animals-Basel. 2020 Jun;10(6):923 WB ;Bovine. 32466491

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.