

Product datasheet for **TA366694**

PLOD3 Rabbit Polyclonal Antibody

Product data:

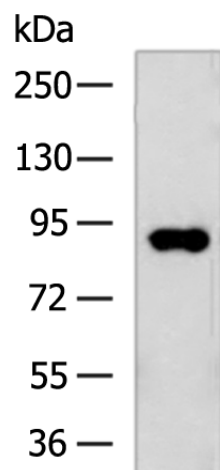
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: LNCAP cell lysate IHC: 50-100 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PLOD3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	85 kDa
Gene Name:	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
Database Link:	Entrez Gene 8985 Human O60568
Background:	The protein encoded by this gene is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VIB have deficiencies in lysyl hydroxylase activity.



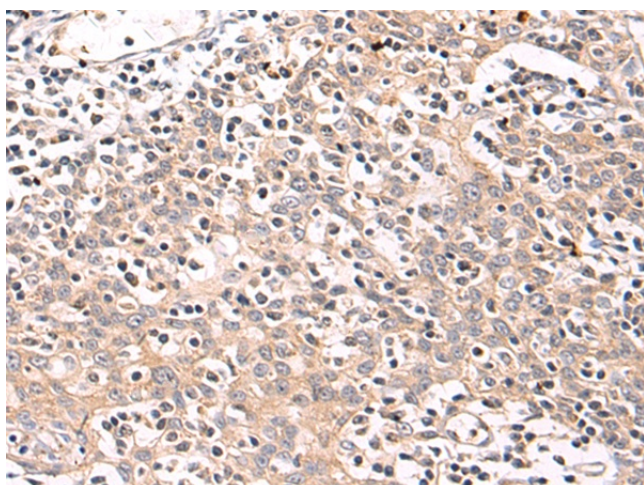
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Synonyms: LH3

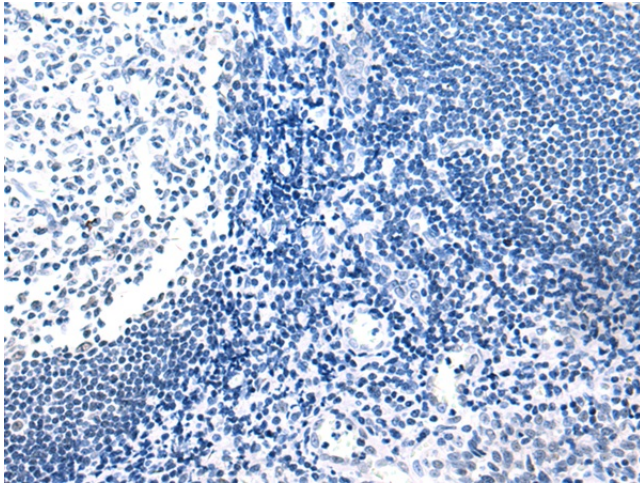
Product images:



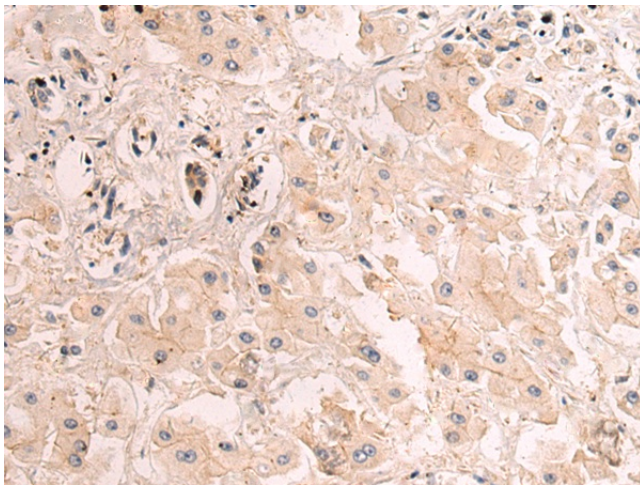
Gel: 6%SDS-PAGE
Lysate: 40 μ g
Lane: LNCAP cell lysate
Primary antibody: TA366694 (PLOD3 Antibody) at dilution 1/1000
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 5 minutes



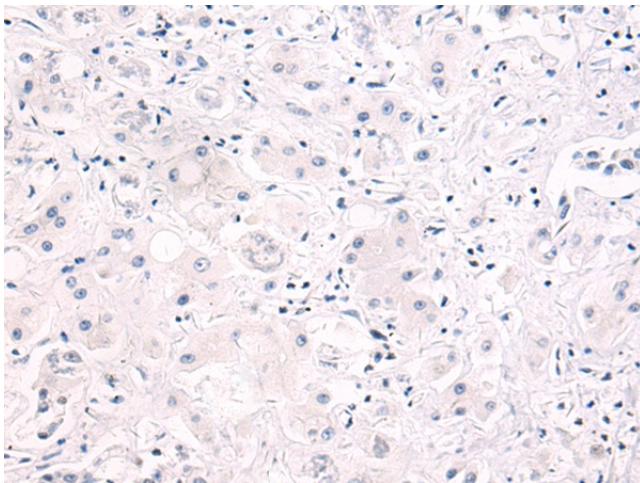
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366694 (PLOD3 Antibody) at dilution 1/105 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366694 (PLOD3 Antibody) at dilution 1/105, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366694 (PLOD3 Antibody) at dilution 1/105 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA366694 (PLOD3 Antibody) at dilution 1/105, treated with fusion protein. (Original magnification: $\times 200$)