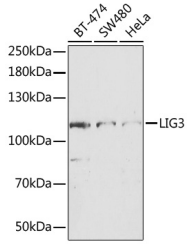
Tel:240-252-7368(USA)
Fax: 240-252-7376(USA)
techsupport@elabscience.com
Website: www.elabscience.com

LIG3 Polyclonal Antibody

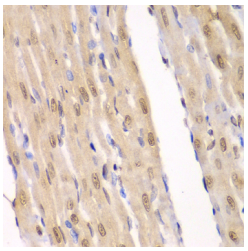
Catalog No.	E-AB-64684	**Reactivity**	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

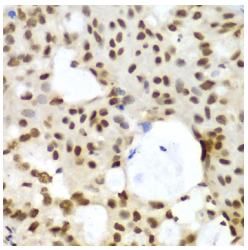
Images



Western blot analysis of extracts of various cell lines using LIG3 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat heart using LIG3 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human oophoroma using LIG3 Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunogen Information

Immunogen	Recombinant fusion protein of human LIG3 (NP_039269.2).
GeneID	3980
Swissprot	P49916
Synonyms	LIG3,LIG2

Product Information

Calculated MW	95kDa/102kDa/106kDa/112kDa
Observed MW	112kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200

Background

This gene is a member of the DNA ligase family. Each member of this family encodes a protein that catalyzes the joining of DNA ends but they each have a distinct role in DNA metabolism. The protein encoded by this gene is involved in excision repair and is located in both the mitochondria and nucleus, with translation initiation from the upstream start codon allowing for transport to the mitochondria and translation initiation from a downstream start codon allowing for transport to the nucleus. Additionally, alternate transcriptional splice variants, encoding different isoforms, have been characterized.