

# LIAR Antibody

Catalog # ASC10942

## Product Information

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<b>Application</b>	WB, IF, E, IHC-P
<b>Primary Accession</b>	<a href="#">Q6NXT1</a>
<b>Other Accession</b>	<a href="#">NP_620152</a> , <a href="#">20270347</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	32505
<b>Concentration (mg/ml)</b>	1 mg/mL
<b>Conjugate</b>	Unconjugated
<b>Application Notes</b>	LIAR antibody can be used for detection of LIAR by Western blot at 1 $\mu$ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 $\mu$ g/mL. For immunofluorescence start at 20 $\mu$ g/mL.

## Additional Information

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<b>Gene ID</b>	129138
<b>Other Names</b>	Ankyrin repeat domain-containing protein 54, Lyn-interacting ankyrin repeat protein, ANKRD54, LIAR
<b>Target/Specificity</b>	ANKRD54;
<b>Reconstitution &amp; Storage</b>	LIAR antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
<b>Precautions</b>	LIAR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ANKRD54
<b>Synonyms</b>	LIAR
<b>Function</b>	Plays an important role in regulating intracellular signaling events associated with erythroid terminal differentiation.
<b>Cellular Location</b>	Nucleus. Cytoplasm. Midbody. Note=Shuttles between nucleus and cytoplasm during the cell cycle. EPO stimulation induces nuclear accumulation (By similarity).

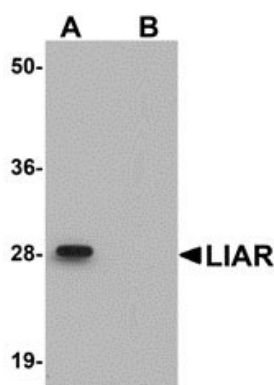
## Background

LIAR Antibody: Ankyrin (ANK) repeats mediate protein-protein interactions in diverse families of proteins. The number of ANK repeats in a protein can range from 2 to over 20. ANK repeats may occur in combinations with other types of domains. The structural repeat unit contains two anti-parallel helices and a beta-hairpin, with repeats stacked in a superhelical arrangement. LIAR, also known as ANKRD54, is a recently identified ANK repeat-containing protein that is predominantly expressed in tissues rich in ciliated cells, such as olfactory sensory neurons and is predicted to be important to cilia. At least three isoforms of LIAR are known to exist.

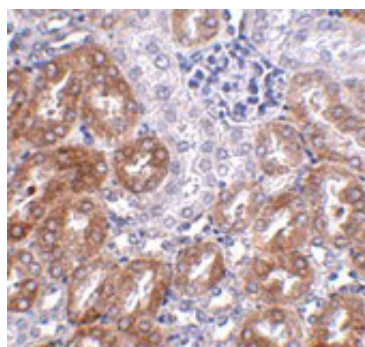
## References

Li J, Mahajan A, and Tsai MD. Ankyrin repeat: a unique motif mediating protein-protein interactions. *Biochemistry* 2006; 45:15168-78.

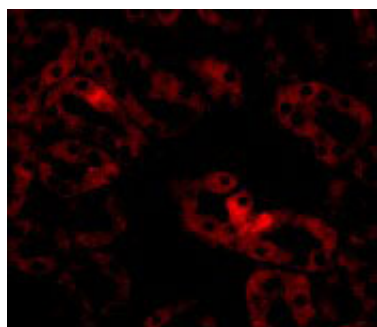
## Images



Western blot analysis of LIAR in mouse kidney tissue lysate with LIAR antibody at 1  $\mu\text{g/mL}$  in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of LIAR in mouse kidney tissue with LIAR antibody at 2.5  $\mu\text{g/mL}$ .



Immunofluorescence of LIAR in Mouse Kidney cells with LIAR antibody at 20  $\mu\text{g/mL}$ .