

**LIAR Antibody**  
**Catalog # ASC10942****Specification**

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**LIAR Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q6NXT1</a>
Other Accession	<a href="#">NP_620152</a> , <a href="#">20270347</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	LIAR antibody can be used for detection of LIAR by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

**LIAR Antibody - Additional Information**

Gene ID	129138
<b>Target/Specificity</b>	
ANKRD54;	

**Reconstitution & Storage**

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.

**Precautions**

LIAR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**LIAR Antibody - Protein Information**

**Name** ANKRD54

**Synonyms** LIAR

**Function**

Plays an important role in regulating intracellular signaling events associated with erythroid terminal differentiation.

**Cellular Location**

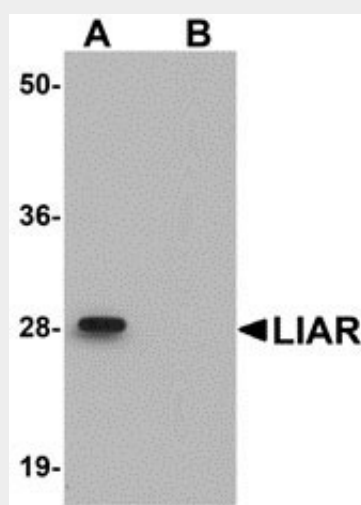
Nucleus. Cytoplasm. Midbody. Note=Shuttles between nucleus and cytoplasm during the cell cycle. EPO stimulation induces nuclear accumulation (By similarity).

## LIAR Antibody - Protocols

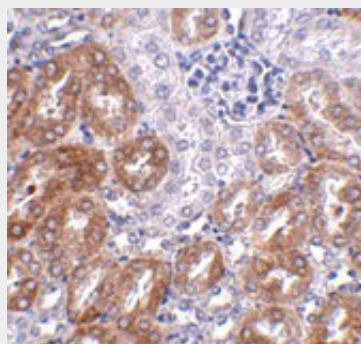
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

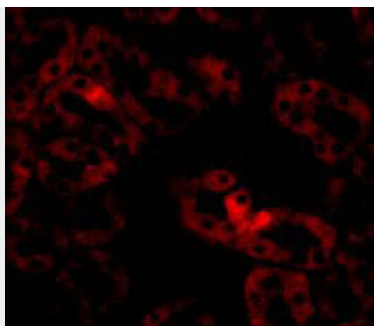
## LIAR Antibody - Images



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  $\mu$ g/mL.

#### **LIAR Antibody - 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.

#### **LIAR Antibody - References**

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