

Nur für Forschungszwecke

# HOXA7 Monoklonaler Antikörper

Katalog-Nr.: 67112-1-Ig **2 Publikationen**



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67112-1-Ig	<b>GenBank-Zugangsnummer:</b> BC148692	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul, Konzentration: 2500 µg/ml von 3204 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> homeobox A7	<b>CloneNo.:</b> 2A7H6
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> homeobox A7	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IF 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 230 aa, 25 kDa	
<b>Immunogen Katalognummer:</b> AG19025	<b>Beobachtete Masse:</b> 20 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, WB, ELISA	<b>Positivkontrollen:</b> WB: THP-1-Zellen, HepG2-Zellen, HL-60-Zellen, HT-29-Zellen, K-562-Zellen, SMMC-7721-Zellen
<b>In Publikationen genannte Anwendungen:</b> WB	<b>IF:</b> HepG2-Zellen,
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human	

## Hintergrundinformationen

HOX genes play a fundamental role in the development of the vertebrate central nervous system, heart, axial skeleton, limbs, gut, urogenital tract and external genitalia. The homeobox gene Hoxa-1 is transcriptionally regulated by retinoic acid (RA) and encodes a transcription factor, which has been shown to play important roles in cell differentiation and embryogenesis. Hoxa-1 is also expressed in cancers, such as mammary tumors, though it is not expressed in normal gland or in precancerous mammary tissues. At embryonic stages, Hoxa-2 is expressed in the mesenchyme and epithelial cells of palate, however its expression is restricted to the tips of the growing palatal shelves. Hoxa-2 protein is predominantly expressed in the nuclei of cells in the ventral mantle region of the developing embryo. In the developing and adult mouse spinal cord, Hoxa-2 protein may contribute to dorsal-ventral patterning and/or to the specification of neuronal phenotype. Hoxa-7 functions as a potent transcriptional repressor and its action as such requires several domains, including both activator and repressor regions. Hoxa-7 is expressed in the fetal liver, lung, skeletal muscle, kidney, pancreas and placenta.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jun-Pu Zha	32650806	J Orthop Surg Res	WB
Jun Li	34978042	Reprod Sci	WB

## Lagerung

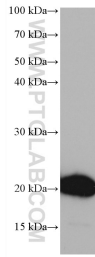
**Lagerungsbedingungen:**  
Bei -20°C lagern.  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

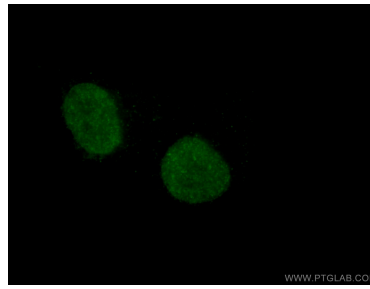
For technical support and original validation data for this product please contact:  
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## Ausgewählte Validierungsdaten



THP-1 cells were subjected to SDS PAGE followed by western blot with 67112-1-Ig (HOXA7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 67112-1-Ig (HOXA7 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).