

Datasheet for ABIN2856634  
**anti-TEAD4 antibody (Center)**[Go to Product page](#)

3 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	TEAD4
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TEAD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human TEAD4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Pig (Porcine)
Cross-Reactivity (Details):	Mouse (91 %), Pig (94 %)
Characteristics:	Rabbit Polyclonal antibody to TEAD4 (TEA domain family member 4) TEAD4 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	TEAD4
Alternative Name:	TEAD4 ( <a href="#">TEAD4 Products</a> )
Background:	<p>This gene product is a member of the transcriptional enhancer factor (TEF) family of transcription factors, which contain the TEA/ATTS DNA-binding domain. It is preferentially expressed in the skeletal muscle, and binds to the M-CAT regulatory element found in promoters of muscle-specific genes to direct their gene expression. Alternatively spliced transcripts encoding distinct isoforms, some of which are translated through the use of a non-AUG (UUG) initiation codon, have been described for this gene.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	48 kDa
Gene ID:	7004
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	<p>Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*</p>
Comment:	Positive Control: HepG2 nucleus
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

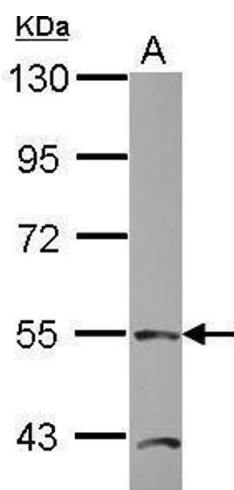
## Publications

Product cited in: Leeds, Dennis, Lukas, Stoinski, Willis, Schook: "Biologically validating the measurement of oxytocin in western lowland gorilla (*Gorilla gorilla gorilla*) urine and saliva using a commercial enzyme immunoassay." in: **Primates; journal of primatology**, (2018) ([PubMed](#)).

Boose, White, Brand, Meinelt, Snodgrass: "Infant handling in bonobos (*Pan paniscus*): Exploring functional hypotheses and the relationship to oxytocin." in: **Physiology & behavior**, Vol. 193, Issue Pt A, pp. 154-166, (2018) ([PubMed](#)).

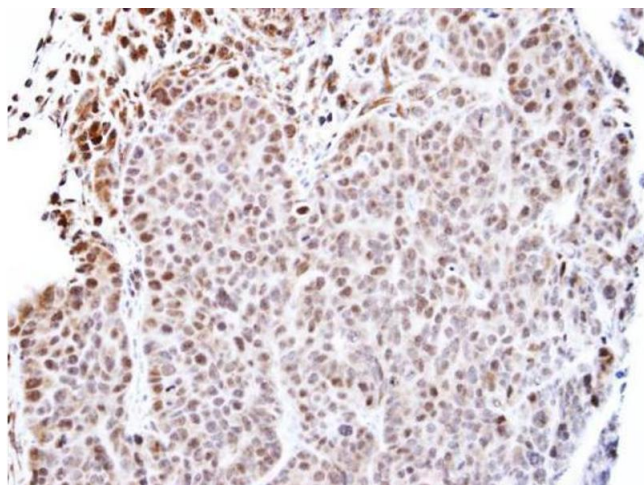
Brandtzaeg, Johnsen, Roberg-Larsen, Seip, MacLean, Gesquiere, Leknes, Lundanes, Wilson: "Proteomics tools reveal startlingly high amounts of oxytocin in plasma and serum." in: **Scientific reports**, Vol. 6, pp. 31693, (2016) ([PubMed](#)).

## Images



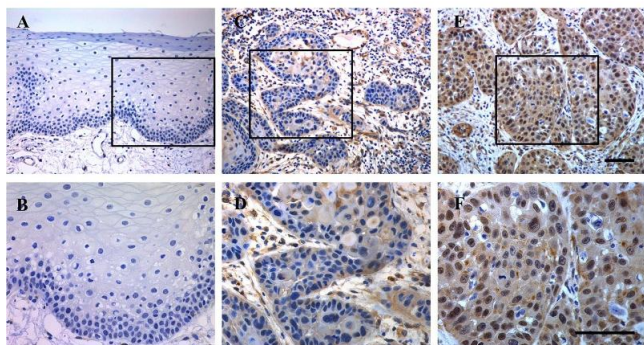
### Western Blotting

**Image 1.** WB Image Sample (20 ug of whole cell lysate) A: HepG2 nucleus 7.5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded SW480 xenograft, using TEAD4, antibody at 1:500 dilution.



Immunohistochemistry

**Image 3.** Immunohistochemical staining of TEAD4 in human HNSCC samples. A, B Representative negative staining of TEAD4 in normal oral epithelial, C, D representative low expression of TEAD4 in primary human HNSCC sample, E, F representative high expression of TEAD4 in primary human HNSCC sample. Nuclei are counterstained with hematoxylin. The areas marked by black box in the A, C, E images (upper panel) were shown in larger magnification as B, D, F images (lower panel), respectively. Scale bar: 100  $\mu$ m - figure provided by CiteAb. Source: PMID30459528