

Product datasheet for **TA345379**

HOXB8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HOXB8 antibody: synthetic peptide directed towards the N terminal of human HOXB8. Synthetic peptide located within the following region: MSSYFVNSLFSKYKTGESLRPNYYDCGFAQDLGGRPTVVYGPSSGGSFQH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	homeobox B8
Database Link:	NP_076921 Entrez Gene 3218 Human P17481



[View online »](#)

Background:

HOXB8 is a member of the Antp homeobox family and is a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. HOXB8 functions as a sequence-specific transcription factor that is involved in development. Increased expression of this HOXB8 gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania. This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Increased expression of this gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania.

Synonyms:

Hox-2.4; HOX2; HOX2D

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Sheep: 79%; Bovine: 79%

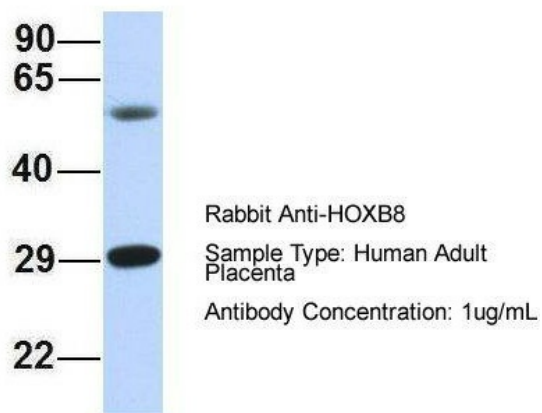
Protein Families:

ES Cell Differentiation/IPS

Product images:

WB Suggested Anti-HOXB8 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive
Control: Human Liver

HOXB8



Host: Rabbit; Target Name: HOXB8; Sample Tissue: Human Adult Placenta; Antibody Dilution: 1.0 ug/ml