

Polyclonal Antibody to Antennapedia homeodomain - Purified

Alternate names:	ANTP, HOX1, HOXA7, Homeobox A7, Homeobox protein HOX 1A
Catalog No.:	AP21555PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The homoeobox is a 183 base-pair (bp) DNA sequence conserved in several Drosophila genes controlling segmentation and segment identity. Homoeobox sequences such as the Antennapedia homeodomain have been detected in the genome of species ranging from insects and anellids to vertebrates and homoeobox containing genes have been cloned from Xenopus, mouse and man. During early mammalian development homoeobox genes may exert a wide spectrum of control functions in a variety of organs and body parts, in addition to the spinal cord.
Host:	Rabbit
Immunogen:	Synthetic Peptide corresponding to the Antennapedia Homeodomain sequence AA Sequence: RQIKIWFQNRRMKWKK Remarks: 100% conserved across all known species.
Format:	State: Liquid purified IgG fraction Purification: Protein G Chromatography Buffer System: PBS containing 0.02% Sodium Azide
Applications:	Western blot: 1/500-1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes AP homeodomain.
Species Reactivity:	Expected from sequence similarity: Broad.
Add. Information:	Predicted Molecular Weight: 25 kDa.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Mavilio F. et. al. (1990). Nature 1986 Dec 18-31;324(6098):664-8