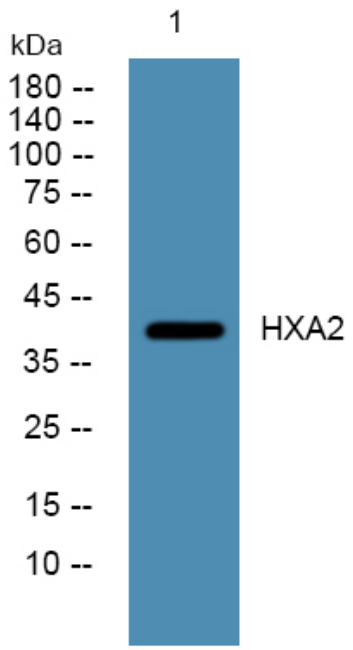
HXA2 Polyclonal Antibody

Catalog No	BYab-04956
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	HOXA2 HOX1K
Protein Name	Homeobox protein Hox-A2 (Homeobox protein Hox-1K)
Immunogen	Synthesized peptide derived from human protein . at AA range: 160-240
Specificity	HXA2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	41kD
Cell Pathway	Nucleus.
Tissue Specificity	
Function	disease:Defects in HOXA2 are a cause of microtia hearing impairment and cleft palate [MIM:612290]. Microtia is a congenital deformity of the outer ear and occurs in approximately one in 8'000-10'000 births. It is characterized by a small, abnormally shaped outer ear. It can be unilateral or bilateral. Syndromic forms of microtia occur in conjunction with other abnormalities. The most common associated malformations is the cleft palate, a congenital fissure of the soft and/or hard palate due to faulty fusion. Defects in HOXA2 are a cause of autosomal-recessive bilateral microtia, mixed symmetrical severe to profound hearing impairment and partial cleft palate.,function:Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.,similarity:Belongs to the Antp homeobox famil

Background	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night