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Datasheet for ABIN5004768

## anti-HMX2 antibody (AA 122-200) (Alexa Fluor 680)

### Overview

Quantity:	100 µL
Target:	HMX2
Binding Specificity:	AA 122-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMX2 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HMX2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Dog, Cow, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	HMX2
Alternative Name:	HMX2 ( <a href="#">HMX2 Products</a> )
Background:	Synonyms: H6 family homeo box 2, H6 family homeobox 2, H6 homeo box 2, H6L, HMX 2,

## Target Details

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HMX2 , HMX2\_HUMAN , Homeo box H6 family 2, Homeo box protein H6 family member 2, Homeobox H6 family 2 , Homeobox protein H6 family member 2, Homeobox protein HMX2, Nkx5 2.

Background: The homeobox DNA-binding domain is a 60 amino acid motif that is conserved among many species and functions to bind DNA via a helix-turn-helix structure, thereby playing a role in transcriptional regulation and the control of gene expression. HMX2 (H6 family homeobox 2), also known as H6L or Nkx5-2, is a 273 amino acid nuclear protein that belongs to the HMX homeobox family and contains one homeobox DNA-binding domain. HMX2 functions as a transcription factor that assists in specification of neuronal cell types and is essential for proper development of hypothalamus and inner ear. Hemizygous deletions of the gene encoding HMX2 are thought to lead to vestibular dysfunction, inner ear malformations and congenital sensorineural hearing loss.

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months