

Datasheet for ABIN969487

anti-NK2 Homeobox 5 antibody[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µL
Target:	NK2 Homeobox 5 (NKX2-5)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NK2 Homeobox 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human NKX2.5 expressed in E. coli.
Clone:	2-00E-01
Isotype:	IgG1
Purification:	purified

Target Details

Target:	NK2 Homeobox 5 (NKX2-5)
Alternative Name:	NKX2.5 (NKX2-5 Products)
Background:	Description: NKX2.5: NK2 transcription factor related, locus 5 (Drosophila), also known as CSX. It is a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart

Target Details

malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants.

Aliases: CSX, NKX2E

Molecular Weight: 35 kDa

Gene ID: 1482

HGNC: 1482

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Antibody are purified by protein G affinity chromatography. Liquid in PBS containing 0.03 % sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C/-20 °C

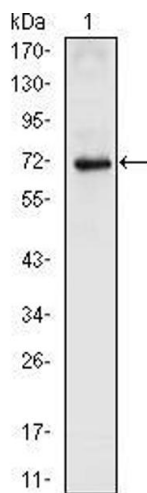
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Mishra, Thakur, Somal, Parmar, Yadav, Bharati, Bharti, Paul, Verma, Chouhan, Sharma, Singh, González, DOcchio, Sarkar et al.: "Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured ..." in: **Theriogenology**, Vol. 86, Issue 7, pp. 1818-33, (2016) ([PubMed](#)).

Mishra, Parmar, Yadav, Reshma, Bharati, Bharti, Paul, Chouhan, Taru Sharma, Singh, Sarkar et

al.: "Expression and localization of angiopoietin family in corpus luteum during different stages of oestrous cycle and modulatory role of angiopoietins on steroidogenesis, angiogenesis and survivability ..." in: **Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 6, pp. 855-869, (2016) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using NKX2.5 mouse mAb against full-length NKX2.5 (aa1-324)-hIgGFc transfected HEK293 cell lysate (1).