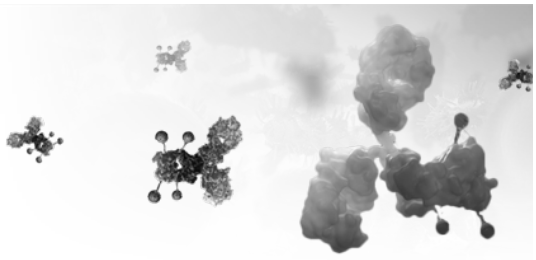

NKX2-1 blocking peptide (CDBP5827)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to the thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares the symbol/alias 'TTF1' with another gene, transcription termination factor 1, which plays a role in ribosomal gene transcription. [provided by RefSeq, Feb 2014]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	NKX2-1 NK2 homeobox 1 [Homo sapiens (human)]
Official Symbol	NKX2-1
Synonyms	NKX2-1; NK2 homeobox 1; BCH; BHC; NK-2; TEBP; TTF1; NKX2A; T/EBP; TITF1; TTF-1;

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	NKX2.1; homeobox protein Nkx-2.1; NK-2 homolog A; thyroid nuclear factor 1; thyroid transcription factor 1; homeobox protein NK-2 homolog A; thyroid-specific enhancer-binding protein
Entrez Gene ID	7080
mRNA Refseq	NM_001079668
Protein Refseq	NP_001073136
UniProt ID	P43699
Pathway	FOXA2 and FOXA3 transcription factor networks
Function	DNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; core promoter binding; enzyme binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding

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