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NKX2-1 (AB4345) Rabbit mAb

M2511

Key Features

Host Species
• Rabbit

Reactivity
• Human, Mouse

Applications
• WB, ELISA

MW
• 39 kDa (calculated)
• 41 kDa (observed)

Isotype
• IgG

Recommended Dilution Ratios

Application	Dilution
WB, ELISA	WB, 1:1000-1:5000 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% proclin300.

Basic Information

Clonality	Monoclonal
Clone Number	AB4345
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20 - 110 of human NKX2 - 1.
Specificity	This antibody detects endogenous levels of NKX2-1 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	NKX2-1
Protein Name	NKX2-1

Database Link

Organism	Swiss Prot.	Gene ID
Human	P43699	7080

Background

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.

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