

NKX3.1 (AB1400) mouse mAb

V0418

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 26 kDa (calculated)
- 32 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. 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% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1400

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human NKX3. 1 protein.

Specificity The antibody can specifically recognize human NKX3. 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 NKX3-1

Protein Name NKX3. 1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q99801	4824

Background NKX3. 1 is a nuclear transcription factor and a negative regulator of the growth of prostatic epithelial cells. Its mRNA transcription level is regulated by androgens and plays an important role in the occurrence and differentiation of prostate organs and the maintenance of the function of mature organs. NKX3. 1 has high sensitivity and specificity in benign prostatic hyperplasia and prostate cancer, and can be used as one of the specific markers to distinguish prostate cancer, benign prostatic hyperplasia and non prostate cancer. It is also expressed in mucous glands of testis, ureter and pulmonary bronchus.