Thyroid transcription factor-1 (TTF-1) (PT0101R) Rabbit mAb (Ready to Use)

CatalogNo: YM7238R Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat,

Applications
- IHC

Isotype
- IgG1,Kappa

Recommended Dilution Ratios

Ready to use for IHC

Storage

Storage*	2°C to 8°C/1 year
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300

Basic Information

Clonality	Monoclonal
Clone Number	PT0101R

Immunogen Information

Immunogen	Synthesized peptide derived from human TTF1 AA range:50-150
Specificity	This antibody detects endogenous levels of TTF-1

Target Information

Gene name NKX2-1

Protein Name AV026640;BCH;Benign chorea;BHC;Homeobox protein NK 2 homolog A;Homeobox protein NK-2 homolog A;Homeobox protein Nkx 2.1;Homeobox protein Nkx-2.1;Homeobox protein Nkx2.1;NK 2;NK 2 homolog A;NK2;NK2 homeobox 1;NK2, drosophila, homolog of, A;NK2.1, mouse, homolog of;Nkx 2 1;NKX 2.1;NKX 2A;NKX2 1;Nkx2-1;NKX2.1;NKX21_HUMAN;NKX2A;T EBP;T/EBP;TEBP;Thyroid nuclear factor 1;Thyroid nuclear factor;Thyroid specific enhancer binding protein;Thyroid transcription factor 1;Tin man;Tinman;TITF 1;TITF1;TTF 1;TTF-1;TTF1

Organism	Gene ID	UniProt ID
Human	7080;	P43699;
Mouse		P50220;
Rat		P23441;

Cellular Localization Nuclear

Tissue specificity Thyroid/ Lung

Function Disease:Defects in NKX2-1 are the cause of benign hereditary chorea (BHC) [MIM:118700]; also known as hereditary chorea without dementia. BHC is an autosomal dominant movement disorder. The early onset of symptoms (usully before the age of 5) and the observation that in some BHC families the symptoms tend to decrease in adulthood suggests that the disorder results from a developmental disturbance of the brain. BHC is non-progressive and patients have normal or slightly below normal intelligence. There is considerable inter- and intrafamilial variability, including dysarthria, axial distonia and gait disturbances.,Disease:Defects in NKX2-1 are the cause of choreoathetosis, hypothyroidism, and neonatal respiratory distress (CHNRD) [MIM:610978]. This syndrome include neurological, thyroid, and respiratory problems.,Function:Transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin, thyroperoxidase, and thyrotropin receptor. Crucial in the maintenance of the thyroid differentiation phenotype. May play a role in lung development and surfactant homeostasis.,PTM:Phosphorylated on serine residues.,similarity:Belongs to the NK-2 homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Thyroid and lung.,

Validation Data

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

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