

**METTL3 (PT0175R) PT® Rabbit mAb**

<b>Catalog No :</b>	YM8107
<b>Reactivity :</b>	Human; Mouse; Rat;
<b>Applications :</b>	WB;IHC;IF;IP;ELISA
<b>Target :</b>	METTL3
<b>Gene Name :</b>	METTL3 MTA70
<b>Protein Name :</b>	N6-adenosine-methyltransferase 70 kDa subunit (MT-A70) (EC 2.1.1.62) (Methyltransferase-like protein 3)
<b>Human Gene Id :</b>	56339
<b>Human Swiss Prot No :</b>	Q86U44
<b>Mouse Gene Id :</b>	56335
<b>Mouse Swiss Prot No :</b>	Q8C3P7
<b>Specificity :</b>	endogenous
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, rabbit, IgG, Kappa
<b>Dilution :</b>	IHC 1:200-400,WB 1:1000-5000,IF 1:200-1000,ELISA 1:5000-20000,IP 1:50-200
<b>Purification :</b>	Protein A
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	64kD
<b>Observed Band :</b>	70kD

**Function :**

The METTL3-METTL14 heterodimer forms a N6-methyltransferase complex that methylates adenosine residues at the N(6) position of some RNAs and regulates various processes such as the circadian clock, differentiation of embryonic and hematopoietic stem cells, cortical neurogenesis, response to DNA damage, differentiation of T-cells and primary miRNA processing . In the heterodimer formed with METTL14, METTL3 constitutes the catalytic core . N6-methyladenosine (m6A), which takes place at the 5'-[AG]GAC-3' consensus sites of some mRNAs, plays a role in mRNA stability, processing, translation efficiency and editing . M6A acts as a key regulator of mRNA stability: methylation is completed upon the release of mRNA into the nucleoplasm and promotes mRNA destabilization and degradation . In embryonic stem cells (ESCs), m6A methylation of mRNAs encoding key naive pluripotency-promoting transcripts

**Subcellular Location :**

Nucleus

**Expression :**

Widely expressed at low level. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes.

**Tag :**

hot,recombinant

**Sort :**

999

**No4 :**

1

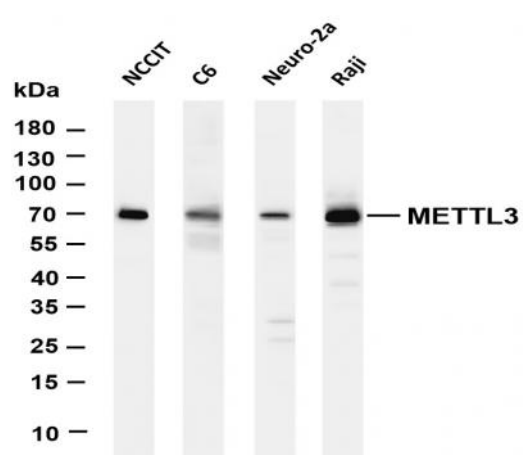
**Host :**

Rabbit

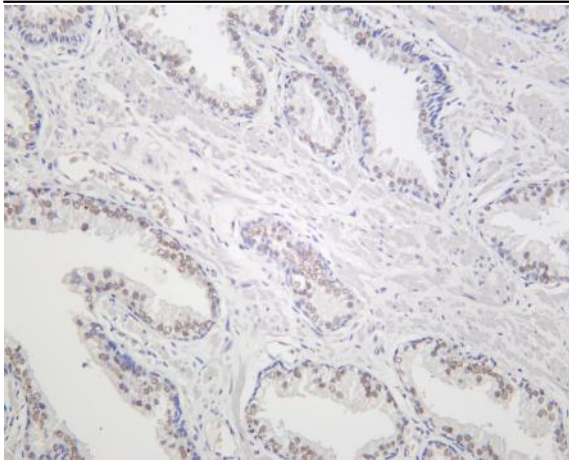
**Modifications :**

Unmodified

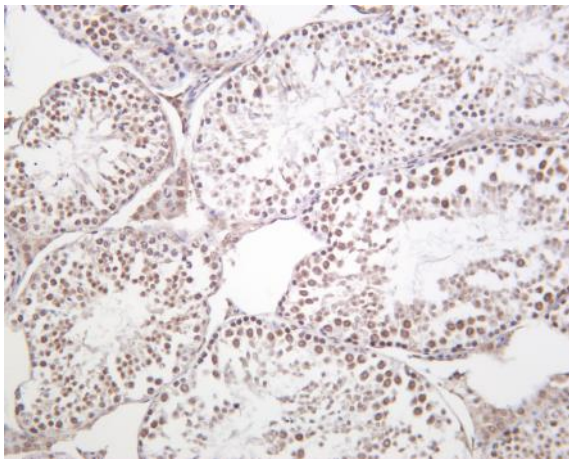
## Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-METTL3 (PT0175R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: NCCIT Lane 2: C6 Lane 3: Neuro-2a Lane 4: Raji Predicted band size: 64kDa Observed band size: 70kDa



Human prostate cancer was stained with Anti-METTL3 (PT0175R) rabbit antibody



Mouse testis was stained with Anti-METTL3 (PT0175R) rabbit antibody