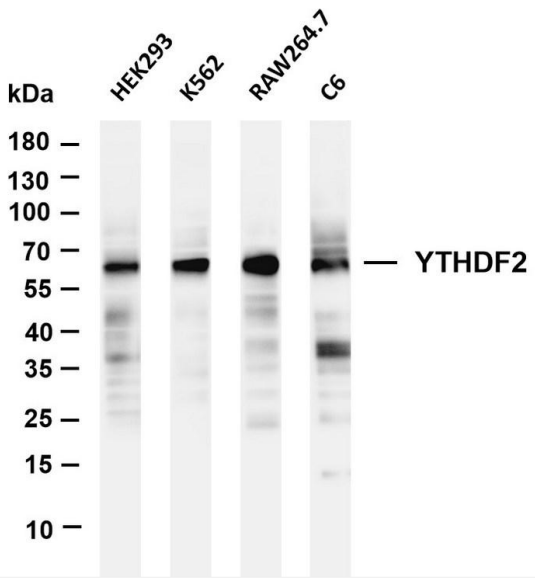
YTHDF2 Rabbit mAb

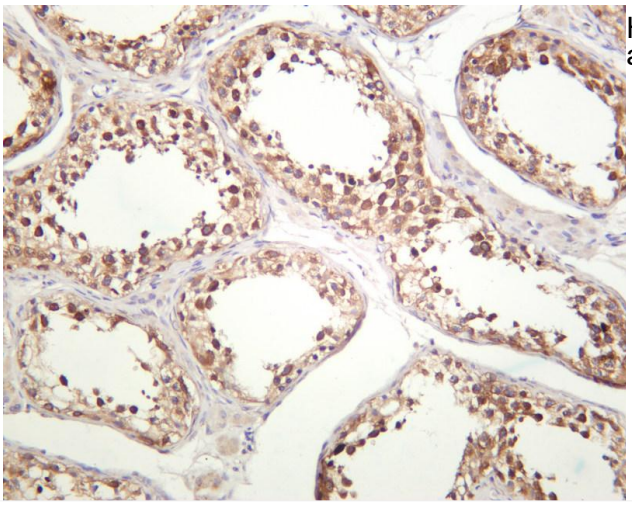
Catalog No	YP-rAb-17894
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	YTHDF2 HGRG8
Protein Name	YTH domain family protein 2 (CLL-associated antigen KW-14) (High-glucose-regulated protein 8) (Renal carcinoma antigen NY-REN-2)
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	
Observed Band	62kD
Calculated Molecular Weight	62kD
Cell Pathway	Cytoplasm, Nucleus
Tissue Specificity	Highly expressed in induced pluripotent stem cells (iPSCs) and down-regulated during neural differentiation.
Function	similarity:Contains 1 YTH domain.,
Background	This gene encodes a member of the YTH (YT521-B homology) superfamily containing YTH domain. The YTH domain is typical for the eukaryotes and is particularly abundant in plants. The YTH domain is usually located in the middle of the protein sequence and may function in binding to RNA. In addition to a YTH domain, this protein has a proline rich region which may be involved in signal transduction. An Alu-rich domain has been identified in one of the introns of this gene, which is thought to be associated with human longevity. In addition, reciprocal translocations between this gene and the Runx1 (AML1) gene on chromosome 21 has been observed in patients with acute myeloid leukemia. This gene was initially mapped to chromosome 14, which was later turned out to be a

pseudogene. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene

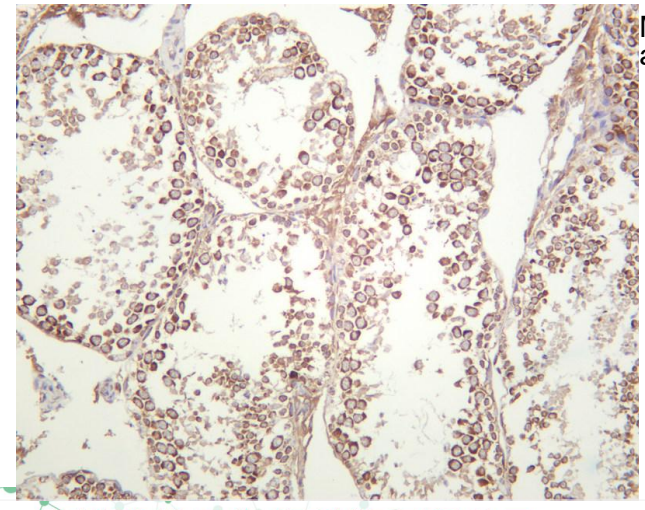
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



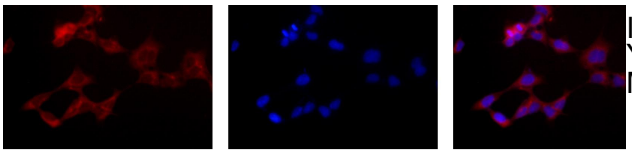
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-YTHDF2 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: K562 Lane 3: RAW264.7 Lane 4: C6 Predicted band size: 62kDa Observed band size: 62kDa



Human testis was stained with anti-YTHDF2 rabbit antibody



Mouse testis was stained with anti-YTHDF2 rabbit antibody



A B C

Immunofluorescence analysis of HEK293. Picture A: YTHDF2 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B