

## Product datasheet for **TA302129**

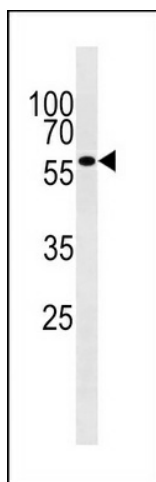
### **KAT7 Rabbit Polyclonal Antibody**

#### **Product data:**

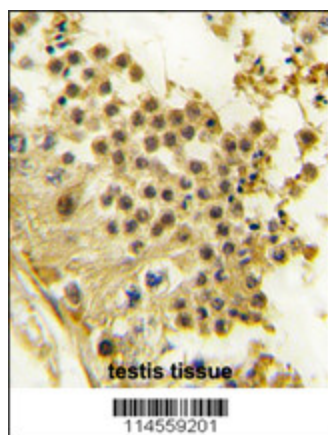
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	WB: 1:1000, IHC: 1:10~50, IF: 1:10~50
<b>Reactivity:</b>	Human (Predicted: Mouse, Rat)
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This HBO1/MYST2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-246 amino acids from the Central region of human HBO1/MYST2.
<b>Formulation:</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	70642 Da
<b>Gene Name:</b>	lysine acetyltransferase 7
<b>Database Link:</b>	<a href="#">NP_008998</a> <a href="#">Entrez Gene 217127 Mouse</a> <a href="#">Entrez Gene 303470 Rat</a> <a href="#">Entrez Gene 11143 Human</a> <a href="#">O95251</a>
<b>Background:</b>	HBO1/MYST2 is a histone acetyltransferase which specifically represses AR-mediated transcription. It may play a role in DNA replication.
<b>Synonyms:</b>	HBO1; HBOA; MYST2; ZC2HC7
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors



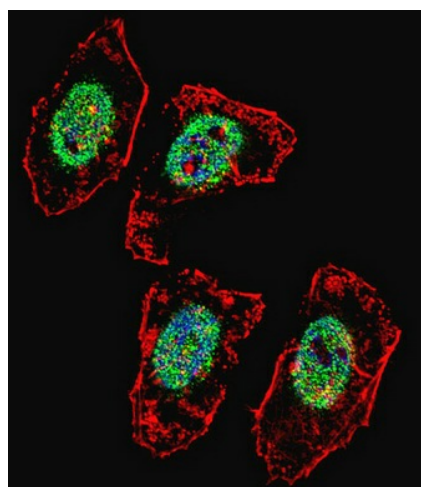
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**Product images:**

HBO1/MYST2 Antibody (Center) (Cat. #TA302129) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the HBO1/MYST2 antibody detected the HBO1/MYST2 protein (arrow).



Formalin-fixed and paraffin-embedded human testis tissue reacted with HBO1/MYST2 antibody (Center) (Cat.#TA302129), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IF image of HeLa cell stained with HBO1/MYST2 Antibody (Center) (Cat#TA302129). HeLa cells were incubated with HBO1/MYST2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml). Nuclei were counterstained with DAPI (blue). HBO1/MYST2 immunoreactivity is localized to nucleus significantly.