

# Anti-ENT2 Antibody

Rabbit polyclonal antibody to ENT2  
Catalog # AP60163

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q14542</a>
<b>Other Accession</b>	<a href="#">Q61672</a>
<b>Reactivity</b>	Human, Mouse, Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	50113

## Additional Information

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<b>Gene ID</b>	3177
<b>Other Names</b>	DER12; ENT2; HNP36; Equilibrative nucleoside transporter 2; 36 kDa nucleolar protein HNP36; Delayed-early response protein 12; Equilibrative nitrobenzylmercaptapurine riboside-insensitive nucleoside transporter; Equilibrative NBMPR-insensitive nucleoside transporter; Hydrophobic nucleolar protein, 36 kDa; Nucleoside transporter, ei-type; Solute carrier family 29 member 2
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ENT2. The exact sequence is proprietary.
<b>Dilution</b>	WB~WB (1/500 - 1/1000)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	SLC29A2 ( <a href="#">HGNC:11004</a> )
<b>Synonyms</b>	DER12, ENT2, HNP36
<b>Function</b>	Bidirectional uniporter involved in the facilitative transport of nucleosides and nucleobases, and contributes to maintaining their cellular homeostasis (PubMed: <a href="#">10722669</a> , PubMed: <a href="#">12527552</a> , PubMed: <a href="#">12590919</a> , PubMed: <a href="#">16214850</a> , PubMed: <a href="#">21795683</a> , PubMed: <a href="#">9396714</a> , PubMed: <a href="#">9478986</a> ). Functions as a Na(+)-independent, passive transporter (PubMed: <a href="#">9478986</a> ). Involved in the transport of nucleosides such as inosine, adenosine, uridine, thymidine, cytidine and guanosine (PubMed: <a href="#">10722669</a> , PubMed: <a href="#">12527552</a> ,

PubMed:[12590919](#), PubMed:[16214850](#), PubMed:[21795683](#), PubMed:[9396714](#), PubMed:[9478986](#)). Also able to transport purine nucleobases (hypoxanthine, adenine, guanine) and pyrimidine nucleobases (thymine, uracil) (PubMed:[16214850](#), PubMed:[21795683](#)). Involved in nucleoside transport at basolateral membrane of kidney cells, allowing liver absorption of nucleoside metabolites (PubMed:[12527552](#)). Mediates apical nucleoside uptake into Sertoli cells, thereby regulating the transport of nucleosides in testis across the blood-testis-barrier (PubMed:[23639800](#)). Mediates both the influx and efflux of hypoxanthine in skeletal muscle microvascular endothelial cells to control the amount of intracellular hypoxanthine available for xanthine oxidase-mediated ROS production (By similarity).

#### Cellular Location

Apical cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Note=Localized to the apical membrane of Sertoli cells.

#### Tissue Location

Highly expressed in skeletal muscle (PubMed:[9478986](#)). Expressed in liver, lung, placenta, brain, heart, kidney and ovarian tissues (PubMed:[9478986](#)). Expressed in testis at the blood-brain-barrier (PubMed:[23639800](#)).

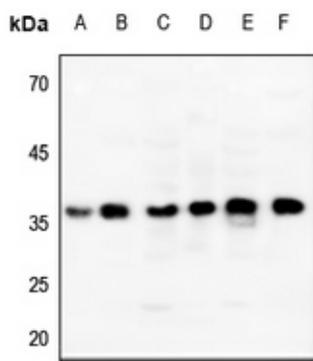
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ENT2. The exact sequence is proprietary.

## Images

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Western blot analysis of ENT2 expression in Hela (A), mouse muscle (B), mouse lung (C), mouse brain (D), rat liver (E), rat heart (F) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.