

Cat nr AE00126

Recombinant Mouse Monoclonal Antibody, clone rWT1/857 to:

WT1, Wilms tumor 1

AWT1, GUD, NPHS4, WAGR, WIT-2, WT33, Wilms' tumor 1

Cellular localization Nucleus

Official Symbol (Gene) WT1
 GenelD [7490](#)
 SwissProt [P19544](#)

Confirmed Applications	IHC
Positive controls	K562, Wilm's Tumor, mesothelioma, fetal kidney, kidney and a subset of hematopoietic cells
Aeonian Rating©	90

Purification	By Protein G from bioreactor concentrate
Formulation	<input type="checkbox"/> 200ug IgG/ml in PBS, 0.05% BSA, 0.05% azide (20ug or 100ug) <input type="checkbox"/> 1mg IgG/ml in PBS (100ug or contact us for quotation)
Amount	<input type="checkbox"/> 20ug <input type="checkbox"/> 100ug
Isotype	Mouse IgG1, kappa
Confirmed species reactivity	Human, rat
Immunogen	Recombinant human full-length WT1 protein
Epitope	unknown

Storage instructions	Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.
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Expiration	Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.
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Warranty	This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.
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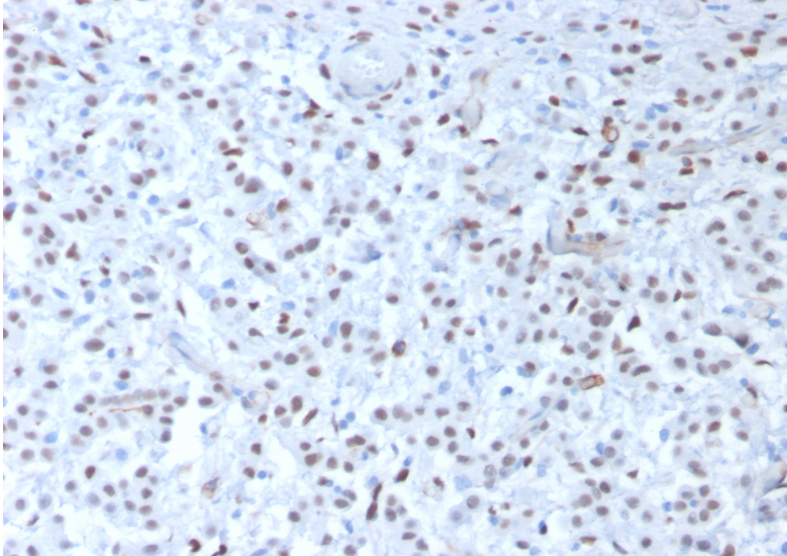
Liability	This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.
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Product performance see next pages

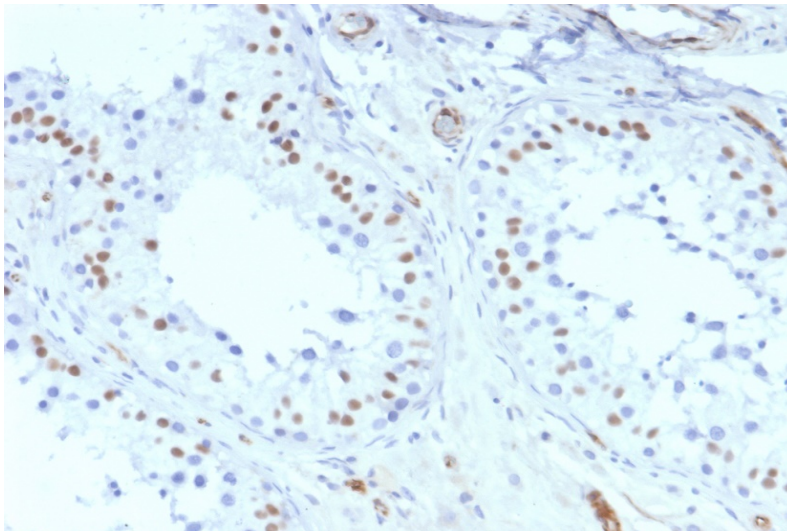
Product data:

ImmunoHistoChemistry (IHC):

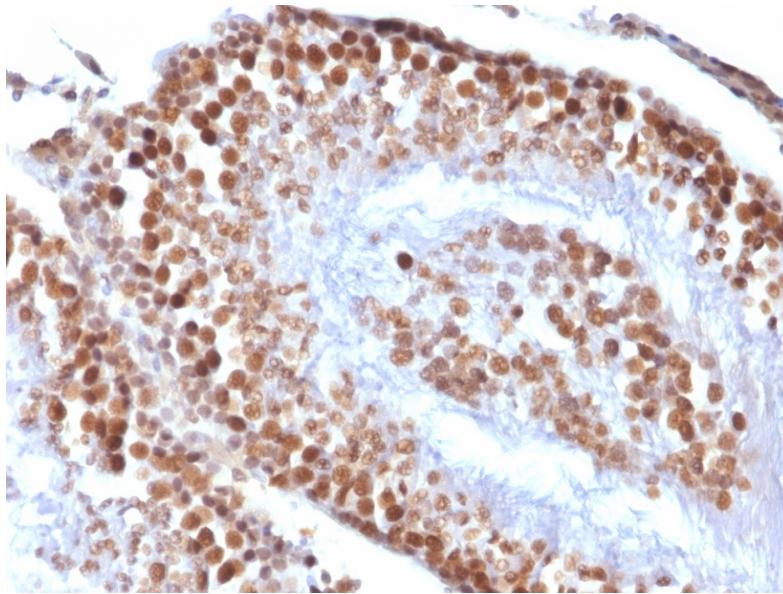
This product shows nuclear staining in sections of human mesothelioma and in human and rat testis sections. Recommended concentration: 0.3-1ug/ml



Formaldehyde-fixed, paraffin-embedded human mesothelioma stained with WT1 Recombinant Mouse Monoclonal Antibody AE00126 at 0.5-1ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH6 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.

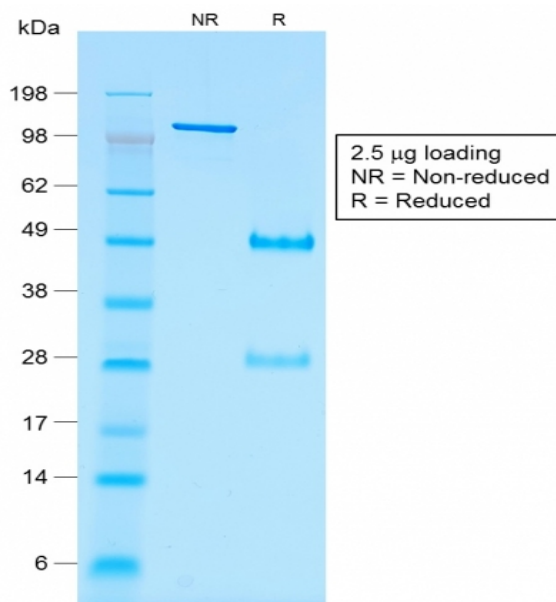


Formaldehyde-fixed, paraffin-embedded human testis stained with WT1 Recombinant Mouse Monoclonal Antibody AE00126 at 0.5-1ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH6 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.



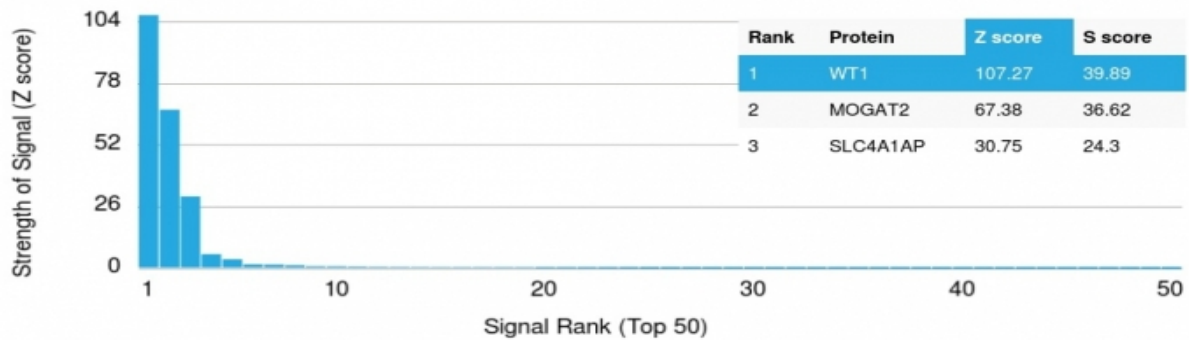
Formaldehyde-fixed, paraffin-embedded rat testis stained with WT1 Recombinant Mouse Monoclonal Antibody AE00126 at 0.5-1ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH6 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.

SDS-PAGE Analysis of Purified WT1 Recombinant Mouse Monoclonal Antibody AE00126. Confirmation of Purity and Integrity of Antibody.



Integrity of the purified antibody AE00126 under non-reduced and reduced conditions, showing intact IgG at around 110kDa (NR) and intact heavy and light chains at 50kDa and 28kDa resp. (R).

Specificity and selectivity of AE00126 to WT1 were tested against >19,000 full-length human proteins on a human protein array. A protein BLAST search against H. sapiens revealed no closely related proteins.



Cross-reactivity assessment of WT1 Mouse Recombinant Monoclonal Antibody AE00126 (1ug/ml) on CDI's Protein Array containing more than 19,000 full-length human proteins.

The Z-score represents the strength of a signal that an antibody (through a fluorophore-tagged secondary reagent) produces when binding to a particular protein on the array. Z-scores are in units of standard deviations (SD's) above the mean value of all signals generated on that array. When Z-scores are arranged in descending order, the difference between two successive values will be the S-score for the first. Thus, the S-score represents the relative specificity of the antibody to its intended target. An antibody is considered specific to its intended target, when it has an S-score of at least 2.5. For example, if an antibody binds to intended protein X with a Z-score of 43 and to the cross-reacting protein Y with a next Z-score of 14, then the S-score for the antibody to intended target X equals 29 (43-14).