

## Recombinant 14-3-3E / Tryptophan 5-Monooxygenase Antibody

Mouse Monoclonal Antibody [Clone rYWHAE/8860]

Catalog No	Format	Size
7531-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7531-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7531-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

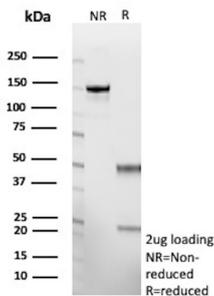
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

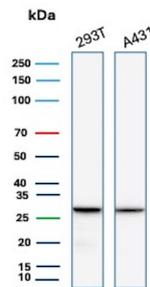
<b>Clone</b>	rYWHAE/8860
<b>Gene Name</b>	Rps23
<b>Immunogen</b>	Recombinant human full-length YWHAE protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	29.4kDa
<b>Cellular Localization</b>	Cytoplasm. Melanosome.
<b>Species Reactivity</b>	Guinea Pig, Hamster, Human, Mouse, Rat
<b>Positive Control</b>	293T or A431 cell lines. Human brain prostate or placenta. Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain, Human Lungs, Mouse Lungs, Rat Lungs, Hamster Lungs or Guinea pig Lungs tissue lysates

\*Optimal dilution for a specific application should be determined.

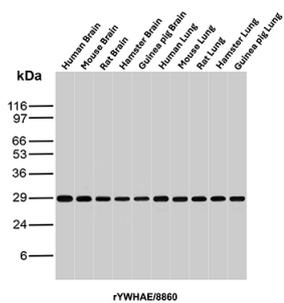
### Product Images for Recombinant 14-3-3E / Tryptophan 5-Monooxygenase Antibody



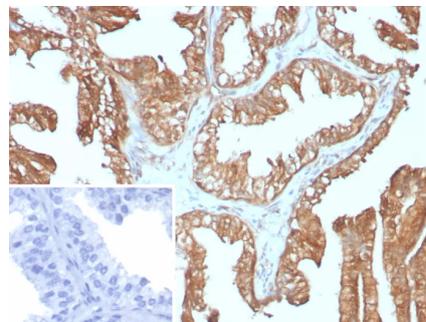
SDS-PAGE Analysis of Purified YWHAE Recombinant Mouse Monoclonal Antibody (rYWHAE/8860). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of 293T and A431 lysates using YWHAE Recombinant Mouse Monoclonal Antibody (rYWHAE/8860).



Western blot analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain, Human Lung, Mouse Lung, Rat Lung, Hamster Lung and Guinea pig Lung tissue lysates using YWHAE Recombinant Mouse Monoclonal Antibody (rYWHAE/8860).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with 143-3E Recombinant Mouse Monoclonal Antibody (rYWHAE/8860). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

### Specificity & Comments

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. The YWHAE gene which encodes 14-3-3E has also been identified as a possible susceptibility gene for schizophrenia.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

AKT Signaling, Apoptosis, Autophagy, Cardiovascular, Defective Intrinsic Apoptosis, Infectious Disease, Signal Transduction, Transcription Factors

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.