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EB09167 - Goat Anti-EWS / EWSR1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: EWSR1, EWS, Ewing sarcoma breakpoint region 1, EWS/FLI fusion protein, EWSR1/ZNF384 fusion protein, Ewings sarcoma EWS-Fli1 (type 1) oncogene, bK984G1.4 (Ewing sarcoma breakpoint region 1 protein), extraskeletal myxoid chondrosarcoma EWS/TEC/CHN fusion protein
Official Symbol: EWSR1
Accession Number(s): NP_053733.2; NP_005234.1; NP_001156757.1; NP_001156758.1; NP_001156759.1
Human GeneID(s): 2130
Non-Human GeneID(s): 14030 (mouse), 289752 (rat)
Important Comments: This antibody is expected to recognize all five reported isoforms (NP_053733.2; NP_005234.1; NP_001156757.1; NP_001156758.1; NP_001156759.1).

Immunogen

Peptide with sequence C-TSYDQSSYSQQNTYG, from the internal region of the protein sequence according to NP_053733.2; NP_005234.1; NP_001156757.1; NP_001156758.1; NP_001156759.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.
Western blot: Approx. 90kDa band observed in nuclear lysates of cell line HeLa (calculated MW of 68.5kDa according to NP_053733.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.3-1µg/ml.
IHC: Paraffin embedded Human Kidney. Recommended concentration: 5-7µg/ml.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

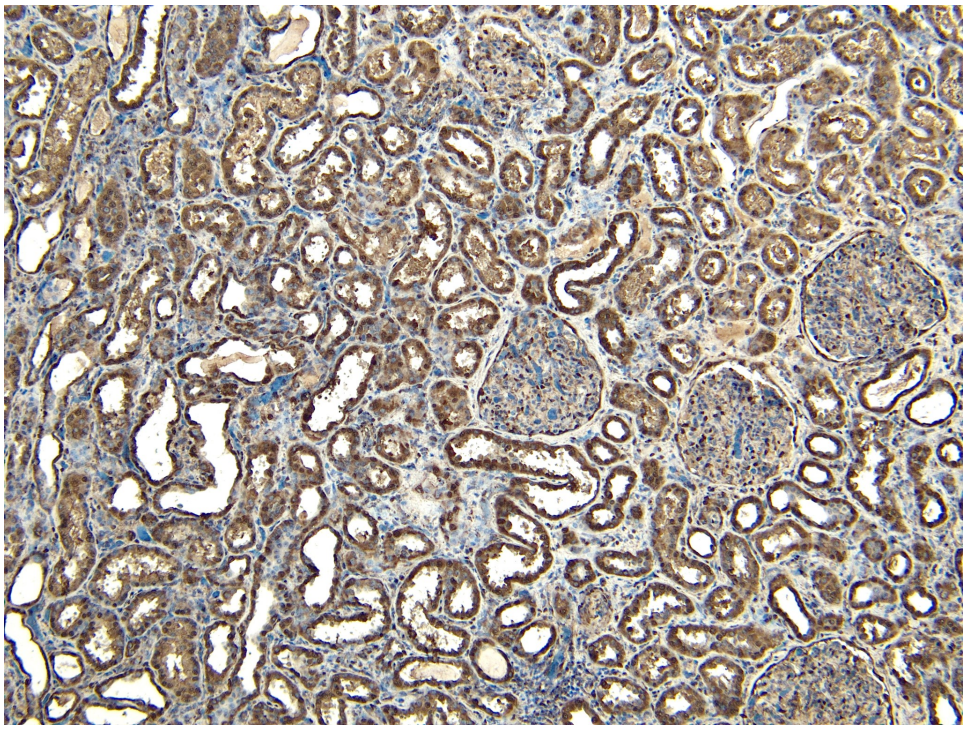
Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow

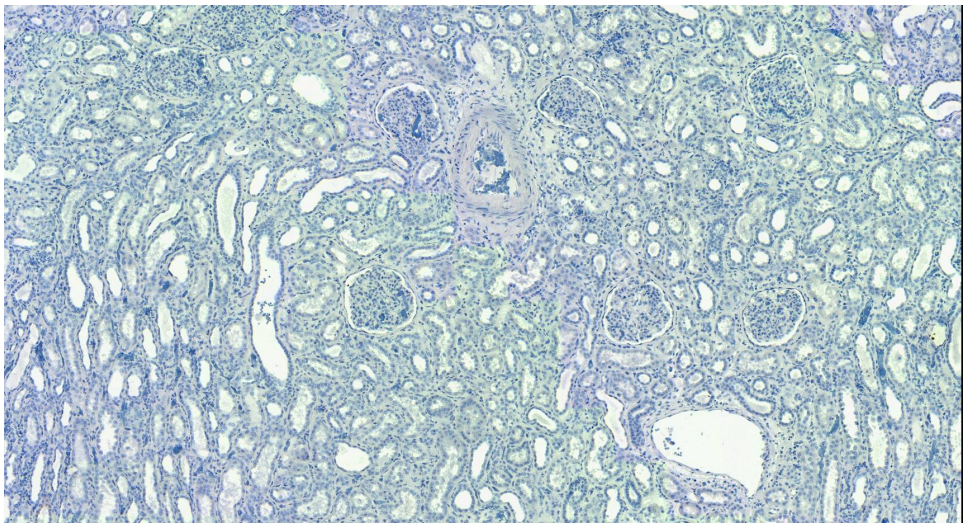
Specific Reference

This antibody has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen
A high-throughput pipeline for validation of antibodies
Nat Methods. 2018 Nov;15(11):909-912
PMID: 30377371

EB09167 (0.3µg/ml) staining of nuclear HeLa lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09167 (7µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB09167 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.