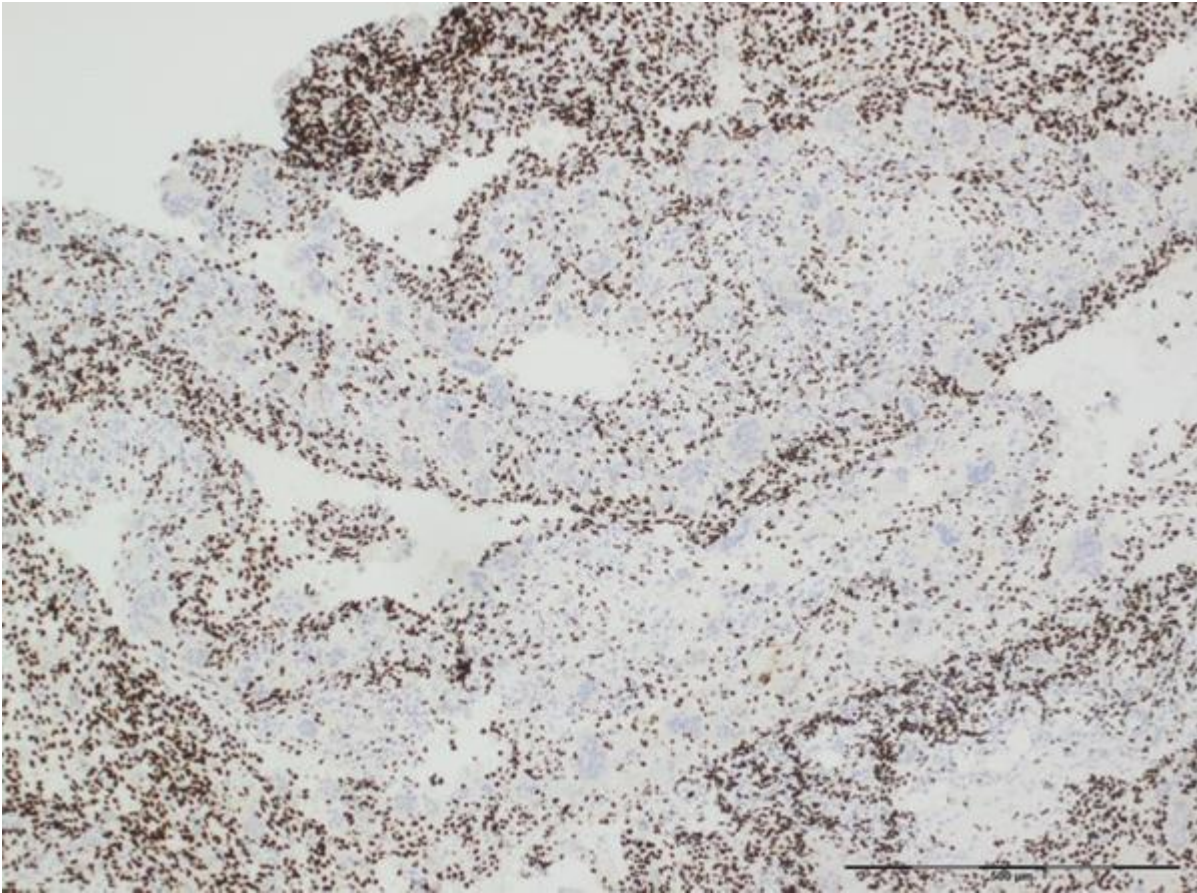


Anti-Histone H3.3 G34W Rabbit Monoclonal Antibody, Clone RM263; Histone H3.3 G34W Mutant (50ug)



Rabbit monoclonal to Histone H3.3 G34W; Histone H3.3 G34W Mutant

SKU: 31-1145-00. Categories: [Mutation Specific Antibodies](#), [Primary Antibodies](#), [Rabbit Monoclonal](#), [Histone Mutations](#), [Histone Mutation](#). Tags: [31-1145-00](#), [31114500](#).

- [Description](#)
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Product Details

Product Name	Anti-Histone H3.3 G34W Rabbit Monoclonal Antibody [RM263]
Product Description	Rabbit monoclonal to Histone H3.3 G34W; Histone H3.3 G34W Mutant

Catalog No.	31-1145-00
Clone Name	RM263
Product Data Sheet	Anti-Histone H3.3 G34W Mutant Rabbit Monoclonal Antibody Data Sheet RM263
Specificity	RM263 reacts to the Histone H3.3 G34W mutant. No cross reactivity with wild type Histone H3.3 .
Immunogen	A peptide corresponding to Histone H3.3 G34W mutant
Application	Western Blot ELISA Immunohistochemistry Immunocytochemistry Chromatin IP
Species Reactivity	All
Conjugate	None
Intended Use	Research Use Only

Properties

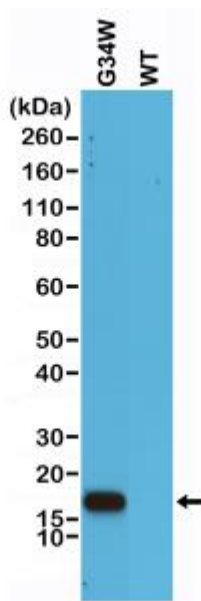
Form	Liquid
Storage Instructions	Store at -20.0°C
Stability	Stable for 1 Year at -20.0°C from date of receipt
Storage Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Volume/Size	50 ug
Concentration	1.0 mg/mL
Purity	Protein A affinity purified from an animal origin-free culture supernatant
Clone Type	Monoclonal
Isotype	Rabbit IgG
Usage	Western Blot: 0.5 ug/mL – 2 ug/mL; ELISA: 0.5 ug/mL - 2 ug/mL; Immunohistochemistry (IHC): 0.5 – 5 ug/mL; Immunocytochemistry (ICC): 0.5 – 5 ug/mL.
References for Histone H3.3 G34W Mutant antibody [RM263]	Yamamoto H. <i>et al.</i> Diagnostic utility of histone H3.3G34 W, G34R, and G34 V mutant-specific antibodies for giant cell tumors of bone. <i>Human Pathology</i> (2017)10.1016/j.humpath.2017.11.020 IHC; Human. Read more (PubMed: 29241742)

Kato, I. *et al*/Giant Cell Tumours of Bone Treated with Denosumab: Histologic, Immunohistochemical, and H3F3A Mutation Analyses *Histopathology* 10.1111/his.13448.(2017). IHC-P; Human. IF; Human [Read more \(PubMed: 29206281\)](#)

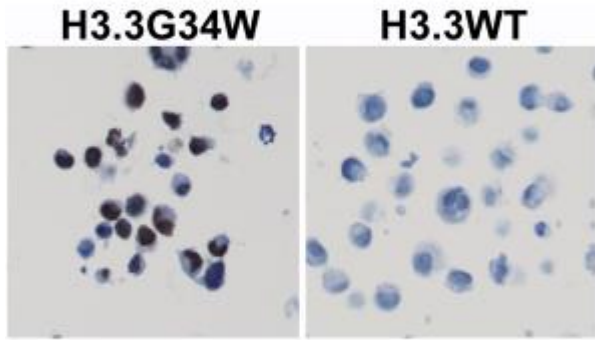
Luke J. *et al*. H3F3A mutation in giant cell tumour of the bone is detected by immunohistochemistry using a monoclonal antibody against the G34W mutated site of the histone H3.3 variant. *Histopathology* 10.1111/his.13190.(2017). IHC-P; Human. [Read more \(PubMed: 28211081\)](#)

Amary F. *et al*. H3F3A (Histone 3.3) G34W Immunohistochemistry: A Reliable Marker Defining Benign and Malignant Giant Cell Tumor of Bone. *AM J Surg Pathol*.10.1097/PAS.0000000000000859. (2017). IHC-P; Human. [Read more \(PubMed: 28505000\)](#)

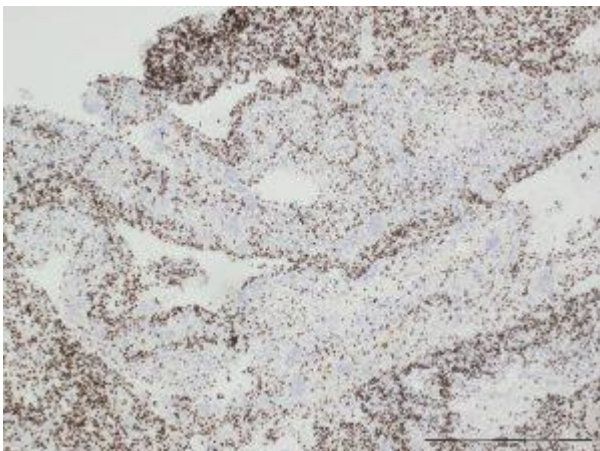
Product Images



Western Blot analysis of cell lysates prepared from 293T, transfected with a DNA construct encoding G34W mutant or wild type proteins of Histone H3.3, using anti-Histone H3.3 G34W clone RM263.

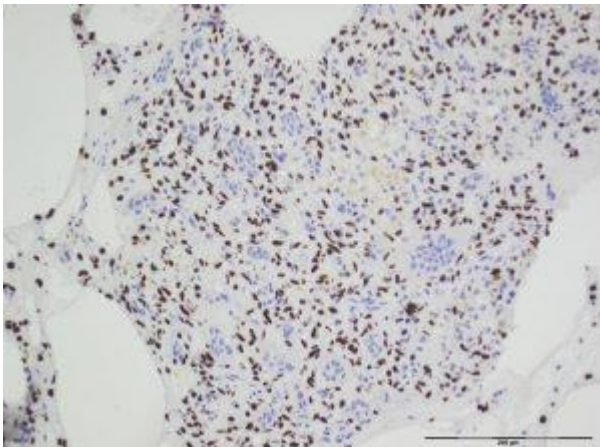


Immunohistochemical staining of formalin fixed and paraffin embedded 293T cells transfected with a DNA construct encoding Histone H3.3 G34W mutant or wild type, stained with anti-Histone H3.3 G34W clone RM263.



Immunohistochemical staining of Giant Cell Bone Tumor (GCBT) tissue sections using Anti-Histone H3.3 G34W antibody RM263 at a 1:1500 dilution.

Image courtesy of Adrienne Flanagan, Department of Histopathology, RONH, Stanmore, Middlesex, UK



Immunohistochemical staining of Giant Cell Bone Tumor (GCBT) tissue sections using Anti-Histone H3.3 G34W antibody RM263 at a 1:1500 dilution.

Image courtesy of Adrienne Flanagan, Department of Histopathology, RONH, Stanmore, Middlesex, UK