

Rabbit Monoclonal Antibodies for Histone Mutation Detection

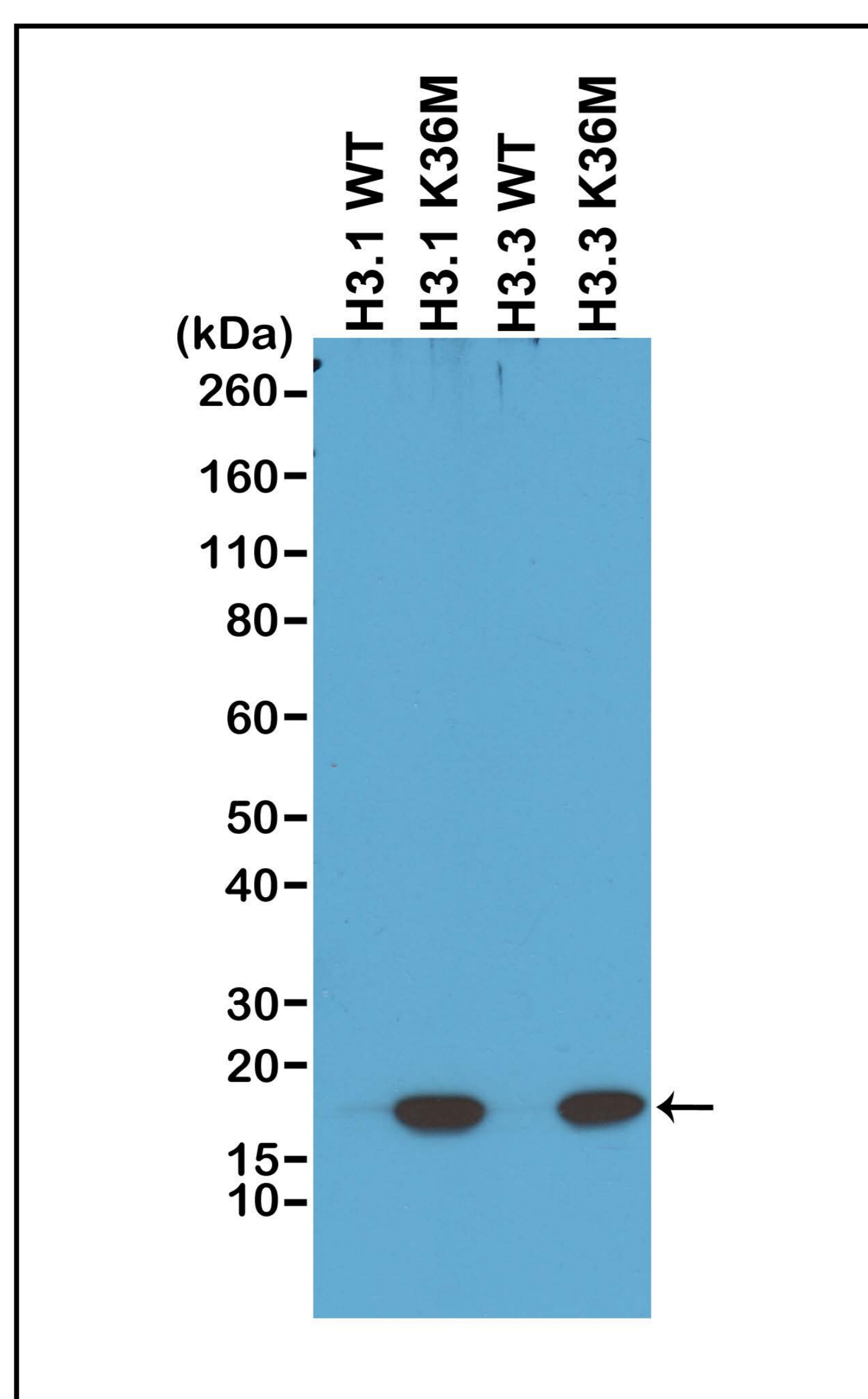
RevMAb's H3F3 K36M mutant rabbit monoclonal antibody has been extensively validated in a variety of applications including IHC, WB, ICC and ChIP. An independent study published in *Histopathology* shows that Clone RM193 is highly specific for the K36M mutant protein and can serve as a novel diagnostic tool for cancers such as Chondroblastoma.

Extensively validated in IHC, WB, ICC, ELISA, and ChIP applications.

Highly specific and easy to use

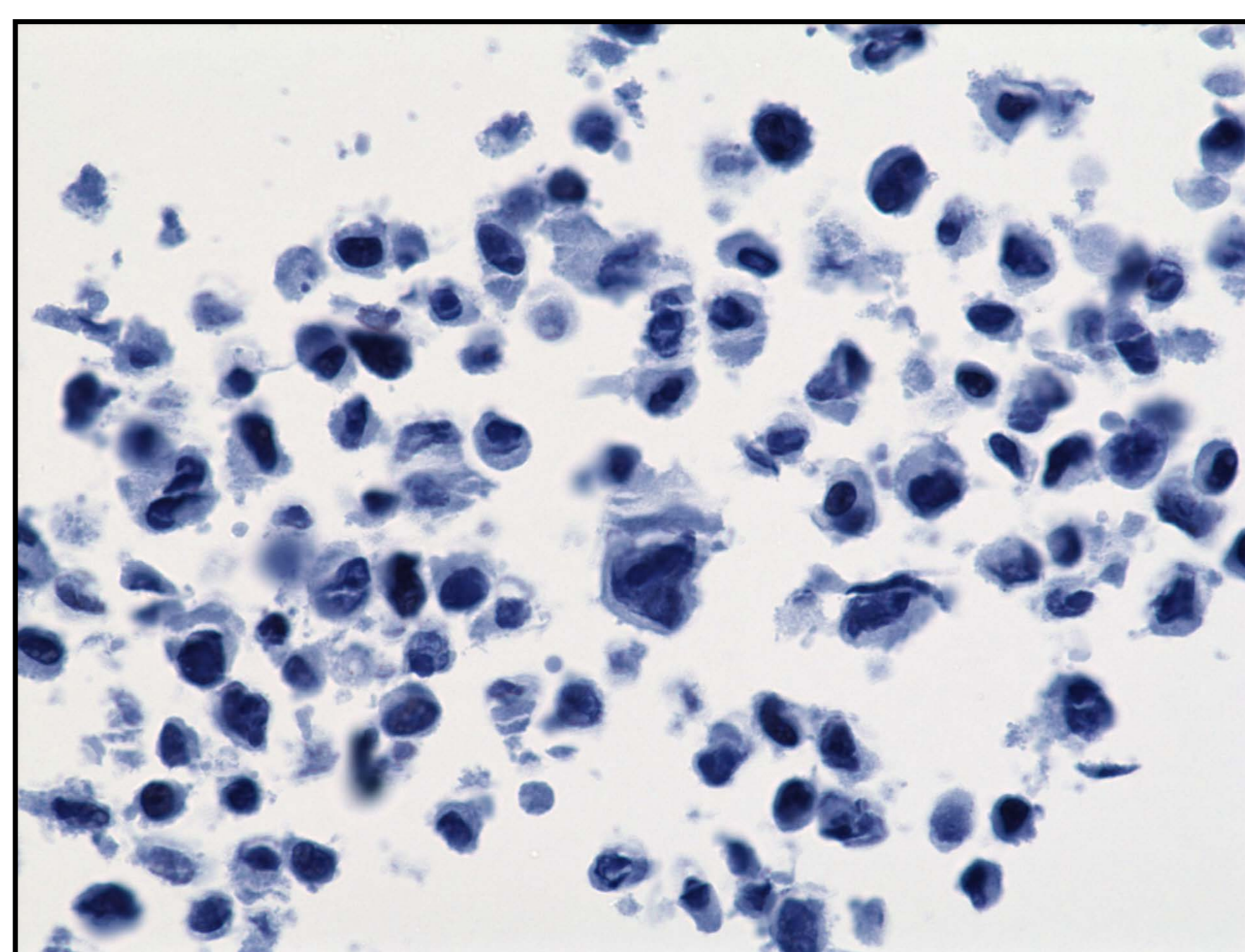
Western Blot

WB of cell lysates prepared from transfected 293T cells expressing wild type or K36M mutant proteins of Histone H3.1 and H3.3

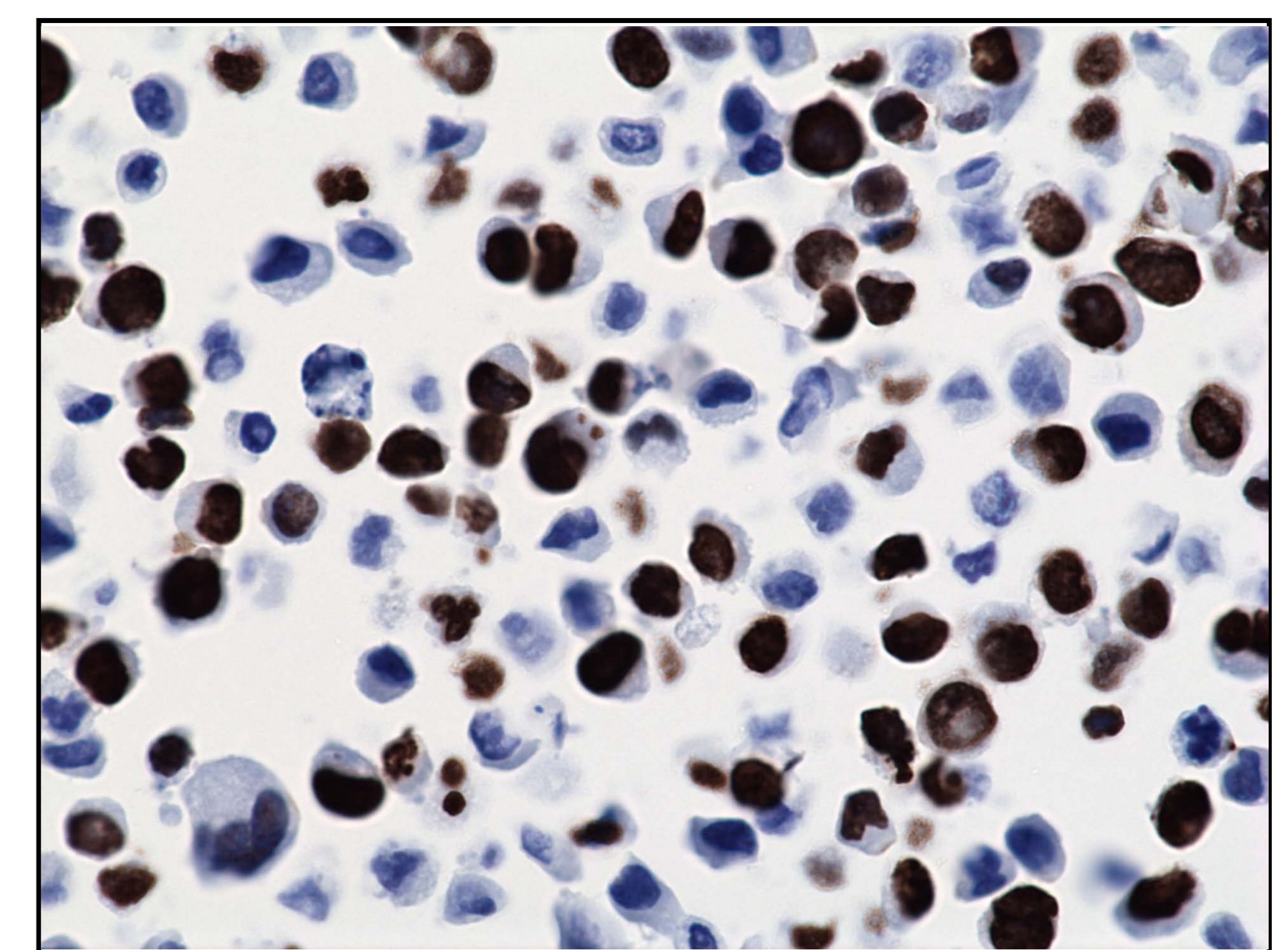


Histone K36M IHC Cell Staining

IHC staining of FFPE 293T cells transfected with Histone H3 K36M, using Clone RM193

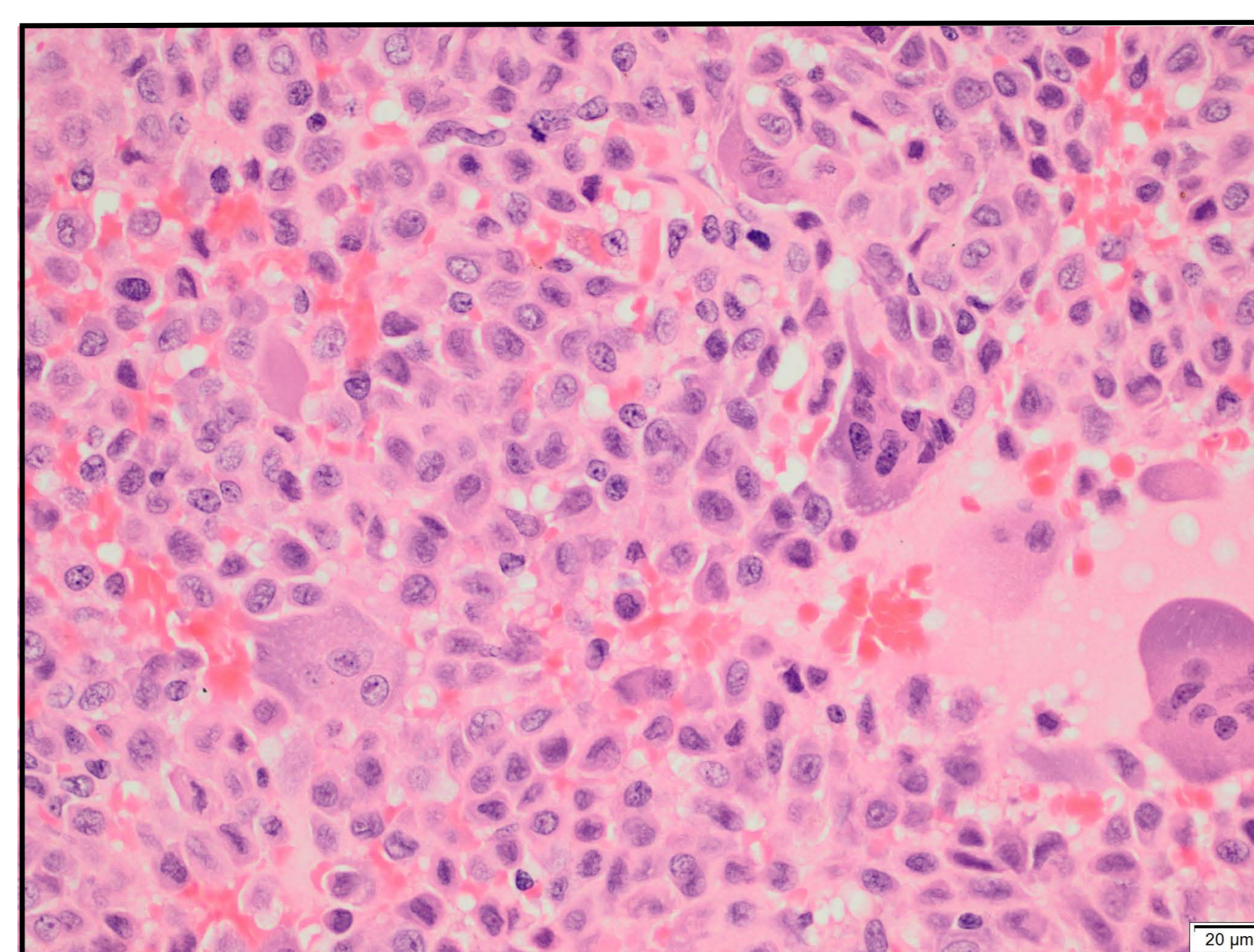


WT

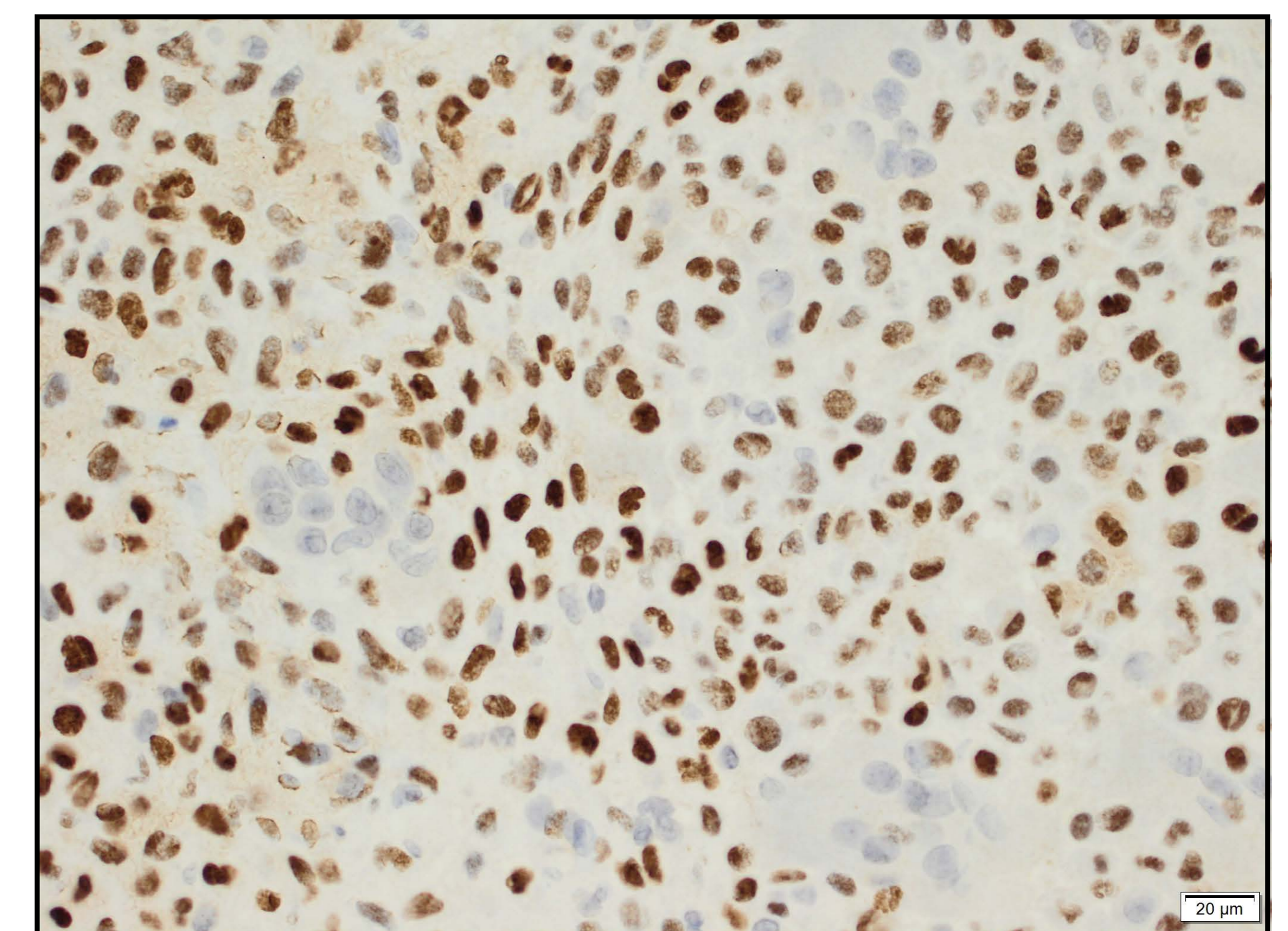


K36M

Histone K36M IHC Tissue Staining in Chondroblastoma



H&E



K36M

IHC staining of FFPE Chondroblastoma tumor cell tissue sections

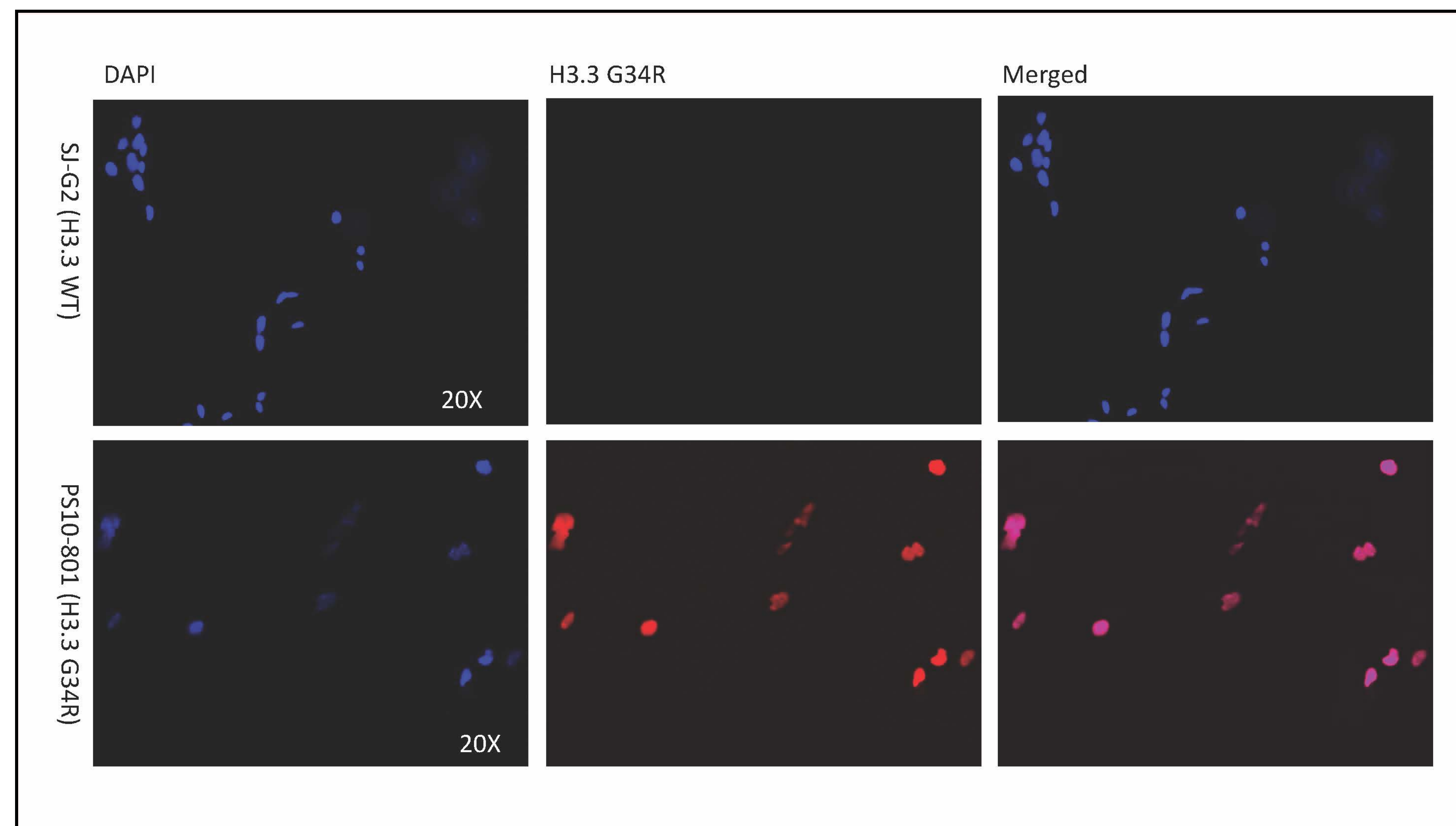
Amary MF et al. The H3F3 K36M mutant antibody is a sensitive and specific marker for the diagnosis of chondroblastoma. *Histopathology* 10.1111/his.12945 (2016). IHC-P; Human. PubMed: 26844533

D. Fang et al. The histone H3.3K36M mutation reprograms the epigenome of chondroblastomas *Science* 10.1126/science.aae0065 (2016). ChIP; Human. PubMed: 27229140

See back for **Ordering Information**

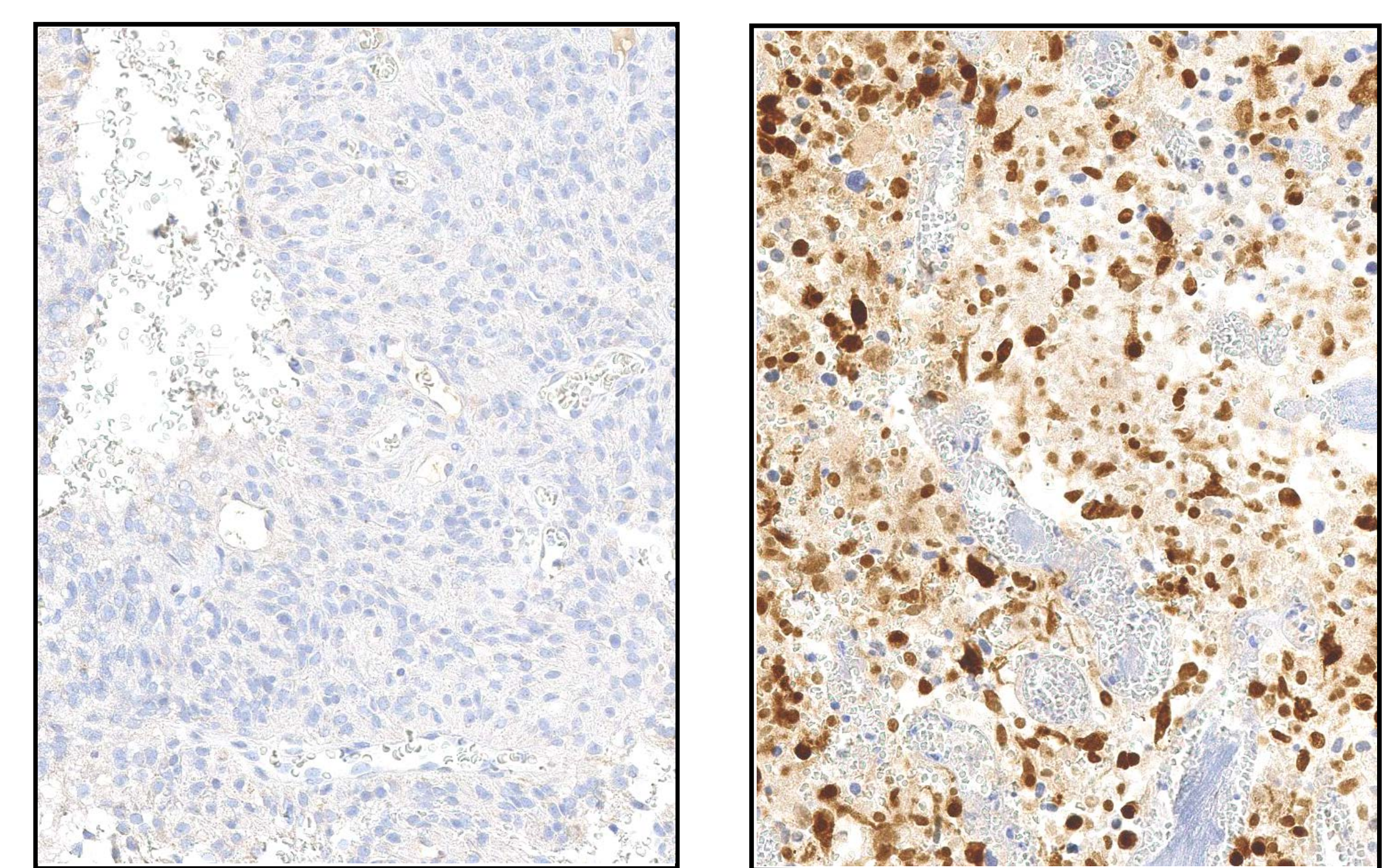
First Available Histone H3.3 G34R Mutant Rabbit Monoclonal Antibody

The Histone H3.3 G34R mutant antibody developed by RevMAB has been validated in IHC, WB and ICC applications. Highly specific for the G34R mutant protein, RM240 is a powerful research tool for studies in glioblastomas.



ICC staining of primary human cell lines expressing WT and H3.3 G34R Mutation

IHC of clinically validated FFPE Glioblastoma tumor tissues with H3.3 G34R expression, using anti-Histone H3.3 G34R rabbit monoclonal antibody, Clone RM240

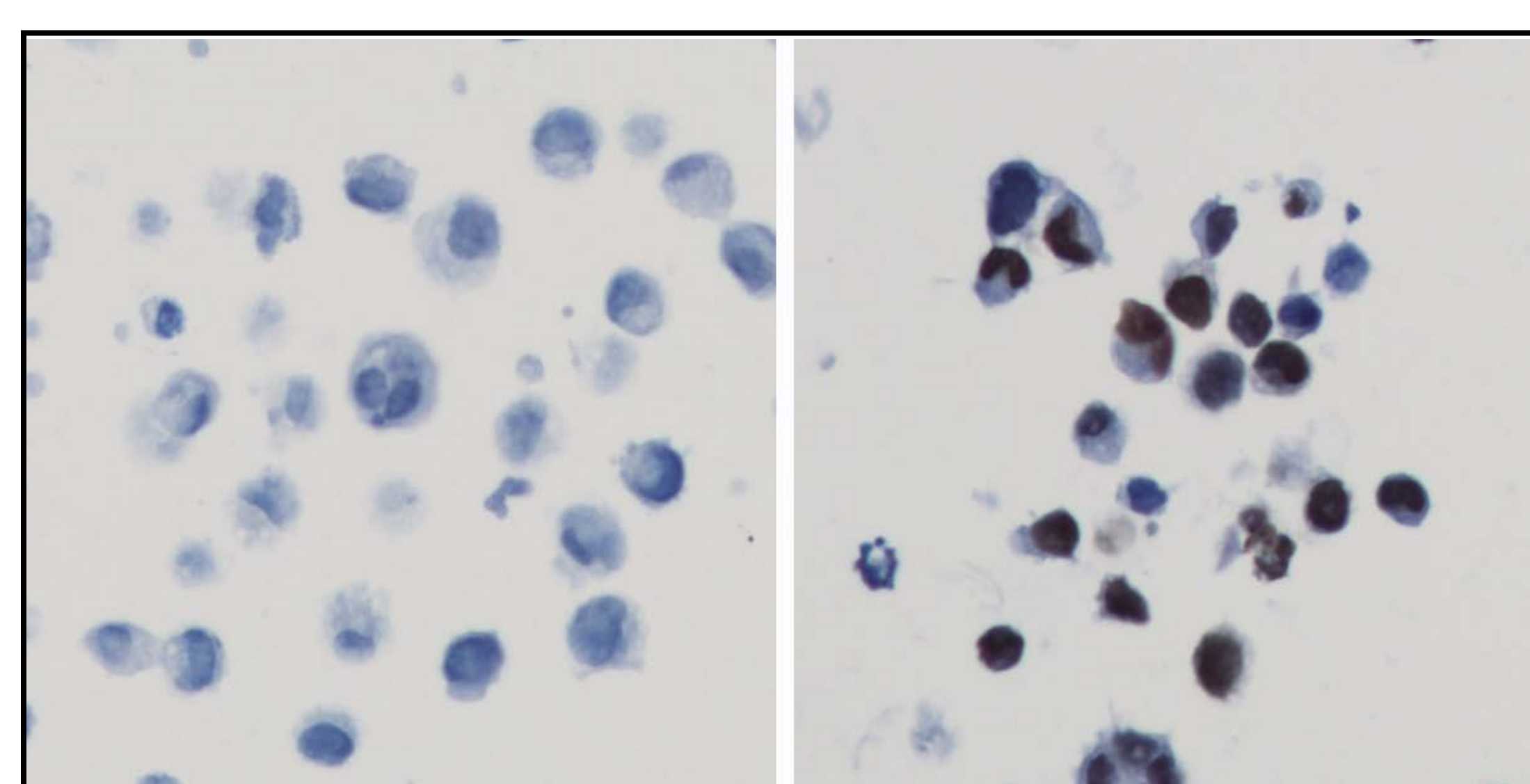


Negative

Positive

Histone H3.3 G34W and Histone H3 K9M Rabbit Monoclonal Antibodies

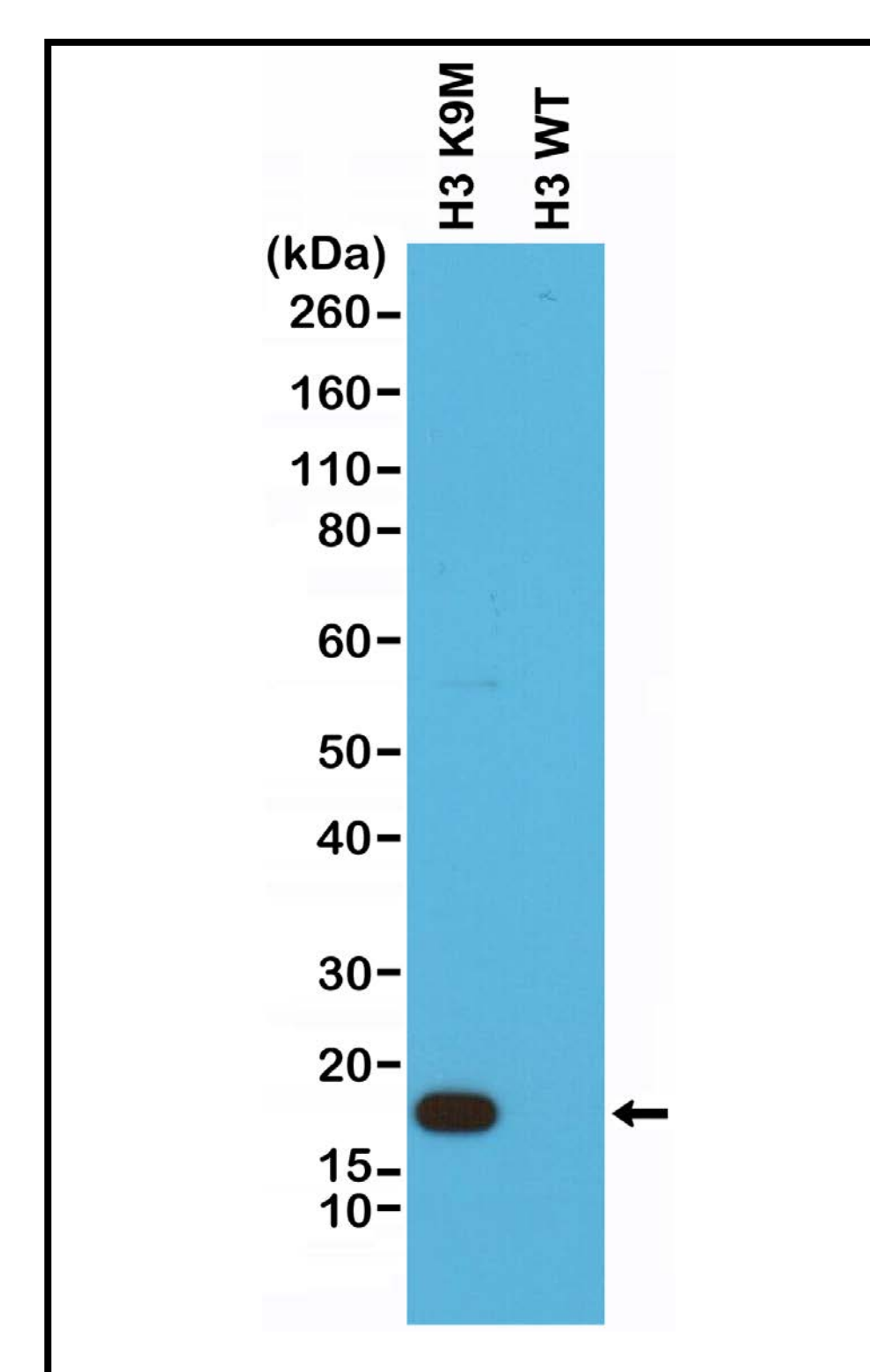
RevMAB's Histone H3.3 G34W mutant antibody, validated in IHC, WB and ICC applications, is shown to be an effective research or diagnostic tool for Giant Cell bone tumors. The Histone H3 K9M mutant antibody is currently being utilized in research focused on learning more about the K9M mutation and its implications in tumorigenesis.



WT

G34W

IHC of FFPE WT and G34W transfected 293T cells using anti-Histone H3.3 G34W rabbit mAb, Clone RM263



WB of cell lysates prepared from WT and K9M transfected 293T cells, using anti-Histone H3 K9M rabbit mAb, Clone RM191

Product Name	Type	Clone	Catalog Number
Histone H3 K36M	Rabbit monoclonal	RM193	31-1085-00
Histone H3 K9M	Rabbit monoclonal	RM191	31-1160-00
Histone H3.3 G34W	Rabbit monoclonal	RM263	31-1145-00
Histone H3.3 G34R	Rabbit monoclonal	RM240	31-1120-00