

10-12531: Mouse Monoclonal Antibody to Ki67(Clone :BS4)

Clonality :	Monoclonal
Clone Name :	BS4
Application :	IHC
Reactivity :	Human
Gene :	MKI67
Gene ID :	4288
Uniprot ID :	P46013
Alternative Name :	KIA, Ki-67, MKI67
Isotype :	Mouse IgG2b

Description

Ki67, also known as MKI67, is a prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation

Product Info

Amount :	0.1 ml / 0.5 ml
Content :	TRIS with 0.03% sodium azide, pH7.2
Storage condition :	Store at 4°C

Application Note

Immunohistochemical Analysis :-1:200

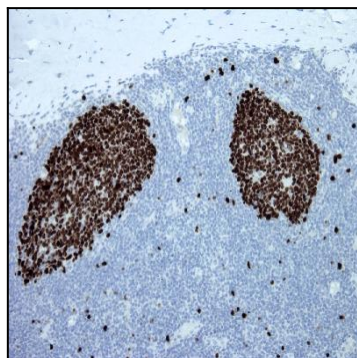


Figure-1: Tonsil section has been stained using Ki67 antibody (Clone: BS4) with 1:200 dilution. Majority of the germinal center B cells have strong nuclear label.

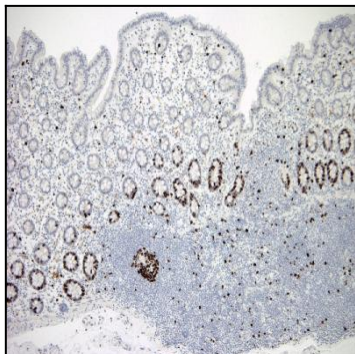


Figure-2: Human colon has been stained using Ki-67 antibody. Ki-67 is a proliferation marker. Most of the stained cells are located in the crypts and Peyer's patches. Nuclear staining. No unspecific staining. No cytoplasmic staining observed. Correct cells have been stained. Magnification x200

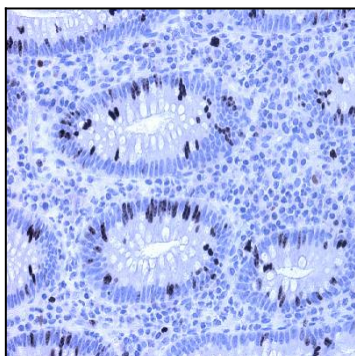


Figure-3: Appendix section has been stained using Ki67 antibody (Clone: BS4) with 1:200 dilution. Strong nuclear staining in proliferating cells of intestinal crypts.

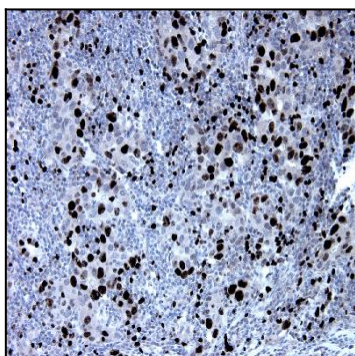


Figure-4: Breast carcinoma section has been stained using Ki67 antibody (Clone: BS4) with 1:200 dilution. Proliferating neoplastic cells have strong to moderate nuclear label.

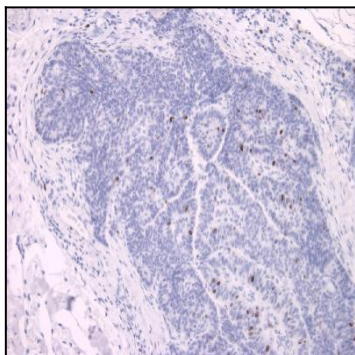


Figure-5: Breast cancer section of dog has been stained using Ki67 antibody (Clone: BS4) with 1:200 dilution.