

Pepsin Kit (RTU)

(Enzymatic Antigen Retrieval Solution)

#Cat: NB-23-00168

Size: 50ml ready-to-use solution

Intended Use

Formalin or other aldehyde fixation often forms protein cross-links. Sometimes, extensive cross linking of proteins in high concentration can mask the isotope of the antigen in tissue sample, which leads to poor staining or no staining. Enzyme digestion, in some cases, becomes a necessary step for successful immunohistostaining^{1/2}. Pepsin kit is designed to break the cross-links, therefore enhance immunohistochemical stains on formalin-fixed paraffin-embedded tissue.

Storage

Store at 2-8°C. Return the reagent back to 2-8°C after each use.

Recommended Protocol

1. Deparaffinize and rehydrate slides
2. Quench endogenous peroxidase activity if necessary
3. Rinse slides in distilled water three times, 2 minutes each
4. Take adequate amount needed of Pepsin kit and pre-warm in 37°C incubator for 10 minutes
5. Apply 3-4 drops of Pepsin kit to cover tissue sections
6. Incubate for 10-30 minutes at 37°C *
7. Rinse slides in PBS three times, 2 minutes each
8. Resume standard immunohistochemistry staining procedure

***Incubation time is important factor to consider, depending on tissue type and fixation.**

References

1. Ezaki T. *Micron* 31(6): 639-49, 2000
2. Chin S-F, et al. *Molecular Pathology*. 56(5): 275-279, 2003

For Research Use Only. Not for Diagnostic or Therapeutic Use.