

# proTUNEL-IHC DNA Fragmentation Assay Kit

**Cat. No. GTX85583**

**Applications** IHC

References ( 1 )

Package

50 assay

## PRODUCT

Internucleosomal DNA fragmentation is a hallmark of apoptosis in mammalian cells. GeneTex's proTUNEL-IHCTM Kit is a two-color TUNEL (Terminal deoxynucleotide transferase dUTP Nick End Labeling) assay for labeling DNA breaks to detect apoptotic cells by immunohistochemistry. The kit contains positive/negative control slides for assessing reagent performance; reaction and blocking buffers for processing individual steps in the assay; proteinase K; terminal deoxynucleotidyl transferase enzyme (TdT), bromodeoxyuridine triphosphate (Br-dUTP), biotin labeled antiBrdU antibody for labeling DNA breaks, horseradish peroxidase streptavidin conjugate, DAB, H<sub>2</sub>O<sub>2</sub>/Urea tablets for color generation and methyl green solution for counter staining the cells.

- Sample type- Tissue sections and fixed cell preparations
- Species reactivity- Mammalian
- Kit size- 50 assays
- Applications- The TUNEL-based immunohistochemical staining kit provides complete reagents including positive and negative control slides for convenient detection of DNA fragmentation

### Features and Benefits

- Simple procedure; convenient
- The assay is sensitive and stable
- The assay offers an one-step labeling of apoptotic cells.

## Summary

### Kit Contents:

Control Slides-pos/neg  
 Blocking Buffer  
 H<sub>2</sub>O<sub>2</sub>/Urea Tablets  
 Protease K  
 DAB Tablets  
 TdT Enzymes  
 Br-dUTP  
 200X Conjugate  
 5X Reaction Buffer  
 Anti-BrdU-Biotin mAb  
 Methyl Green

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

### Suggested dilution

### Recommended dilution

IHC

Assay dependent

Not tested in other applications.

## Properties

### Storage

Store at -20°C. Product has an expected shelf life of 12 months.



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## DATA IMAGES



GTX85583 Image



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