

TABLE OF CONTENTS

	Page
Title Page	i
Ratification Page	ii
Assertion	iii
Acknowledgement	iv
Table of Contents	v
List of Tables	viii
List of Figures	ix
Abstract	x
CHAPTER I INTRODUCTION	1
1. Background	1
2. Significance of the problem	4
3. Formulation of the problem	4
4. Objectives of the study	4
5. Literature Review	4
5.1. Epstein-Barr Virus (EBV)	4
5.1.1. Morphology and Classification	4
5.1.2. Genome Structure	5
5.1.3. Types	7
5.2. EBNA-2	8
5.3. Mechanism of Infection	9
5.3.1. Latent Infection	12
5.3.2. Lytic Infection	14
5.4. EBV and Breast Cancer	15
5.5. Immunohistochemistry	22
5.5.1. Fixation and Tissue Processing	22
5.5.2. Deparaffinization and Rehydration	23

5.5.3. Blocking the endogenous	
peroxidase activity	23
5.5.4. Antigen Retrieval	23
5.5.5. Blocking nonspecific background	
staining	24
5.5.6. IHC Staining	25
6. Hypothesis	26
CHAPTER II RESEARCH METHOD	27
1. Subjects of the study	27
2. Research Design	27
3. Data Collection	27
3.1. Materials	27
3.2. Equipments	29
3.3. Reagent Preparation	29
3.3.1. Wash Buffer Solution	29
3.3.2. Primary Antibody	29
3.3.3. Substrate-Chromogen Solution	30
3.4. Procedures of IHC	30
3.4.1. Deparaffinization and Rehydration	30
3.4.2. Blocking Endogenous Peroxidase	
Activity	30
3.4.3. Antigen Retrieval	30
3.4.4. IHC Staining	31
4. Data Analysis	32
CHAPTER III RESULTS AND DISCUSSIONS	33
1. Results	33
2. Discussions	37

CHAPTER IV	CONCLUSIONS AND SUGGESTIONS	42
	1. Conclusions	42
	2. Suggestions	42
CHAPTER V	REFERENCES	44